Vanguard

Annual Report | December 31, 2023

Vanguard U.S. Stock Index Funds Mid-Capitalization Portfolios

Vanguard Extended Market Index Fund Vanguard Mid-Cap Index Fund Vanguard Mid-Cap Growth Index Fund Vanguard Mid-Cap Value Index Fund

See the inside front cover for important information about your fund's annual and semiannual shareholder reports.

Important information about shareholder reports

Beginning in July 2024, amendments adopted by the Securities and Exchange Commission will substantially impact the design, content, and transmission of shareholder reports. Shareholder reports will provide key fund information in a clear and concise format and must be mailed to each shareholder that has not elected to receive the reports electronically. Financial statements will no longer be included in the shareholder report but will be available at vanguard.com, can be mailed upon request, or can be accessed on the SEC's website at www.sec.gov.

You may elect to receive shareholder reports and other communications from the fund electronically by contacting your financial intermediary (such as a broker-dealer or bank) or, if you invest directly with the fund, by calling Vanguard at one of the phone numbers on the back cover of this report or by logging on to vanguard.com.

Contents

| Your Fund's Performance at a Glance 1 |
|---------------------------------------|
| About Your Fund's Expenses 2 |
| Extended Market Index Fund 4 |
| Mid-Cap Index Fund49 |
| Mid-Cap Growth Index Fund69 |
| Mid-Cap Value Index Fund86 |

Your Fund's Performance at a Glance

• The financial markets delivered robust returns for the 12 months ended December 31, 2023. Returns for the Vanguard Mid-Cap Index Funds ranged from 9.62% (for Investor Shares of the Mid-Cap Value Index Fund) to 23.14% (for Admiral Shares and ETF Shares of the Mid-Cap Growth Index Fund. Returns for ETF Shares are based on net asset value.) Returns for Vanguard Extended Market Index Fund, which holds small- and mid-capitalization stocks, ranged from 25.22% for Investor Shares to 25.44% for Institutional Select Shares. The funds generally tracked their target indexes closely. The Extended Market Index Fund outperformed, thanks to skilled trading and corporate-action elections by the fund's manager, Vanguard Equity Index Group, in addition to securities lending revenue.

• Major central banks stopped hiking interest rates when inflation eased. Global economic growth proved resilient, but the prospect of rates remaining high for an extended period spurred occasional volatility. Toward year-end, stocks and bonds rallied worldwide as expectations for rate cuts in 2024 rose.

• At the sector level, technology shares contributed most to returns of all the funds' target indexes, except the CRSP US Mid Cap Value Index, which was powered by industrials.

• For the 10 years ended December 31, the funds' annualized returns ranged from 8.36% (for Investor Shares of the Mid-Cap Value Index Fund) to 10.12% (for Admiral and ETF Shares of the Mid-Cap Growth Index Fund). The Extended Market Index Fund outperformed its target index, while the other funds closely tracked their indexes.

• Note that the Extended Market Index Fund uses the Global Industry Classification Standard methodology, while the other funds use the Industry Classification Benchmark methodology.

| | Per | Average Annual Total Re Periods Ended December 31, | | |
|---|----------|---|------------|--|
| | One Year | Three Years | Five Years | |
| Stocks | | | | |
| Russell 1000 Index (Large-caps) | 26.53% | 8.97% | 15.52% | |
| Russell 2000 Index (Small-caps) | 16.93 | 2.22 | 9.97 | |
| Russell 3000 Index (Broad U.S. market) | 25.96 | 8.54 | 15.16 | |
| FTSE All-World ex US Index (International) | 15.82 | 1.98 | 7.52 | |
| Bonds | | | | |
| Bloomberg U.S. Aggregate Float Adjusted Index (Broad taxable market) | 5.60% | -3.33% | 1.17% | |
| Bloomberg Municipal Bond Index (Broad tax-exempt market) | 6.40 | -0.40 | 2.25 | |
| FTSE Three-Month U.S. Treasury Bill Index | 5.26 | 2.24 | 1.91 | |
| СРІ | | | | |
| Consumer Price Index | 3.35% | 5.60% | 4.07% | |

Market Barometer

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 December 31, 2023

| SIX Months Ended December 31, 2023 | Beginning Account Value 6/30/2023 | Ending Account Value 12/31/2023 | Expenses Paid During Period |
|--|---|---------------------------------------|-----------------------------------|
| Based on Actual Fund Return | | | |
| Extended Market Index Fund | | | |
| Investor Shares | \$1,000.00 | \$ 1,112.10 | \$ 1.01 |
| ETF Shares | 1,000.00 | 1,112.90 | 0.32 |
| Admiral™ Shares | 1,000.00 | 1,112.80 | 0.32 |
| Institutional Shares | 1,000.00 | 1,112.80 | 0.27 |
| Institutional Plus Shares | 1,000.00 | 1,112.90 | 0.21 |
| Institutional Select Shares | 1,000.00 | 1,113.00 | 0.11 |
| Mid-Cap Index Fund | | | |
| Investor Shares | \$1,000.00 | \$1,065.10 | \$0.88 |
| ETF Shares | 1,000.00 | 1,065.90 | 0.21 |
| Admiral Shares | 1,000.00 | 1,065.80 | 0.26 |
| Institutional Shares | 1,000.00 | 1,066.00 | 0.21 |
| Institutional Plus Shares | 1,000.00 | 1,065.90 | 0.16 |
| Mid-Cap Growth Index Fund | , | , | |
| Investor Shares | \$1,000.00 | \$1,070.70 | \$0.99 |
| ETF Shares | 1,000.00 | 1,071.40 | 0.37 |
| Admiral Shares | 1,000.00 | 1,071.40 | 0.37 |
| Mid-Cap Value Index Fund | , | , | |
| Investor Shares | \$1,000.00 | \$1,060.40 | \$0.99 |
| ETF Shares | 1,000.00 | 1,061.00 | 0.36 |
| Admiral Shares | 1,000.00 | 1,061.00 | 0.36 |
| Based on Hypothetical 5% Yearly Return | , | , | |
| Extended Market Index Fund | | | |
| Investor Shares | \$1,000.00 | \$1,024.25 | \$0.97 |
| ETF Shares | 1,000.00 | 1,024.90 | 0.31 |
| Admiral Shares | 1,000.00 | 1,024.90 | 0.31 |
| Institutional Shares | 1,000.00 | 1,024.95 | 0.26 |
| Institutional Plus Shares | 1,000.00 | 1,025.00 | 0.20 |
| Institutional Select Shares | 1,000.00 | 1,025.10 | 0.10 |
| Mid-Cap Index Fund | , | , | |
| Investor Shares | \$1,000.00 | \$1,024.35 | \$0.87 |
| ETF Shares | 1,000.00 | 1,025.00 | 0.20 |
| Admiral Shares | 1,000.00 | 1,024.95 | 0.26 |
| Institutional Shares | 1,000.00 | 1,025.00 | 0.20 |
| Institutional Plus Shares | 1,000.00 | 1,025.05 | 0.15 |
| Mid-Cap Growth Index Fund | | | |
| Investor Shares | \$1,000.00 | \$1,024.25 | \$0.97 |
| ETF Shares | 1,000.00 | 1,024.85 | 0.36 |
| Admiral Shares | 1,000.00 | 1,024.85 | 0.36 |
| Mid-Cap Value Index Fund | ., | , | |
| Investor Shares | \$1,000.00 | \$1,024.25 | \$0.97 |
| ETF Shares | 1,000.00 | 1,024.85 | 0.36 |
| Admiral Shares | 1,000.00 | 1,024.85 | 0.36 |

The calculations are based on expenses incurred in the most recent six-month period. The funds' annualized six-month expense ratios for that period are: for the Extended Market Index Fund, 0.19% for Investor Shares, 0.06% for ETF Shares, 0.06% for Admiral Shares, 0.05% for Institutional Shares, 0.04% for Institutional Plus Shares, and 0.02% for Institutional Select Shares; for the Mid-Cap Index Fund, 0.17% for Investor Shares, 0.04% for ETF Shares, 0.04% for Institutional Shares, 0.04% for Institutional Plus Shares; for the Mid-Cap Growth Index Fund, 0.19% for Investor Shares, 0.07% for ETF Shares, and 0.07% for Admiral Shares, and 0.07% for Admiral Shares; and the Amiral Shares, and 0.07% for Admiral 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 six-month period (184/365).

Extended Market Index Fund

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.

Cumulative Performance: December 31, 2013, Through December 31, 2023 Initial Investment of \$10,000



| | | otal Returns per 31, 2023 | | |
|---|-------------|------------------------------|--------------|--|
| _ | One Year | Five Years | Ten Years | Final Value of a \$10,000 Investment |
| Extended Market Index Fund Investor Shares | 25.22% | 11.77% | 8.40% | \$22,413 |
| ······ S&P Completion Index | 24.97 | 11.77 | 8.42 | 22,444 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 11.40 | 29,422 |

| | One Year | Five Years | Ten Years | Final Value of a \$10,000 Investment |
|---|-------------|---------------|--------------|--|
| Extended Market Index Fund ETF Shares Net Asset Value | 25.39% | 11.91% | 8.54% | \$22,702 |
| Extended Market Index Fund ETF Shares Market Price | 25.49 | 11.92 | 8.55 | 22,716 |
| S&P Completion Index | 24.97 | 11.77 | 8.42 | 22,444 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 11.40 | 29,422 |

| | One Year | Five Years | Ten Years | Final Value of a \$10,000 Investment |
|---|-------------|---------------|--------------|--|
| Extended Market Index Fund Admiral Shares | 25.38% | 11.91% | 8.54% | \$22,701 |
| S&P Completion Index | 24.97 | 11.77 | 8.42 | 22,444 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 11.40 | 29,422 |

| | Period | | | |
|---|-------------|---------------|--------------|---|
| _ | One Year | Five Years | Ten Years | Final Value of a \$5,000,000 Investment |
| Extended Market Index Fund Institutional Shares | 25.41% | 11.92% | 8.56% | \$11,366,202 |
| S&P Completion Index | 24.97 | 11.77 | 8.42 | 11,221,856 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 11.40 | 14,710,990 |

| | One Year | Five Years | Ten Years | Final Value of a \$100,000,000 Investment |
|---|-------------|---------------|--------------|---|
| Extended Market Index Fund Institutional Plus Shares | 25.41% | 11.93% | 8.57% | \$ 227,611,590 |
| S&P Completion Index | 24.97 | 11.77 | 8.42 | 224,437,120 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 11.40 | 294,219,800 |

| | One Year | Five Years | Since Inception (6/27/2016) | Final Value of a \$3,000,000,000 Investment |
|---|-------------|---------------|-----------------------------------|---|
| Extended Market Index Fund Institutional Select Shares | 25.44% | 11.95% | 11.45% | \$6,774,235,800 |
| S&P Completion Index | 24.97 | 11.77 | 11.26 | 6,688,184,700 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 13.82 | 7,929,434,400 |

"Since Inception" performance is calculated from the Institutional Select Shares' inception date for both the fund and its comparative standard(s).

Cumulative Returns of ETF Shares: December 31, 2013, Through December 31, 2023

| | One Year | Five Years | Ten Years |
|---|-------------|---------------|--------------|
| Extended Market Index Fund ETF Shares Market Price | 25.49% | 75.62% | 127.16% |
| Extended Market Index Fund ETF Shares Net Asset Value | 25.39 | 75.51 | 127.02 |
| S&P Completion Index | 24.97 | 74.42 | 124.44 |

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, click on Price, and then scroll down to the Premium/Discount chart. The ETF premium/discount chart there shows the percentage and days on which the ETF Shares' market price was above or below the NAV.

Fund Allocation

As of December 31, 2023

| Communication Services | 4.1% |
|------------------------|------|
| Consumer Discretionary | 11.4 |
| Consumer Staples | 2.8 |
| Energy | 4.4 |
| Financials | 17.4 |
| Health Care | 11.8 |
| Industrials | 17.0 |
| Information Technology | 18.9 |
| Materials | 4.4 |
| Real Estate | 6.0 |
| Utilities | 1.8 |
| | |

The table reflects the fund's investments, except for short-term investments and derivatives. Sector categories are based on the Global Industry Classification Standard ("GICS"), except for the "Other" category (if applicable), which includes securities that have not been provided a GICS classification as of the effective reporting period.

The fund may invest in derivatives (such as futures and swap contracts) for various reasons, including, but not limited to, attempting to remain fully invested and tracking its target index as closely as possible.

The Global Industry Classification Standard ("GICS") was developed by and is the exclusive property and a service mark of MSCI Inc. ("MSCI") and Standard and Poor's, a division of McGraw-Hill Companies, Inc. ("S&P"), and is licensed for use by Vanguard. Neither MSCI, S&P nor any third party involved in making or compiling the GICS or any GICS classification makes any express or implied warranties or representations with respect to such standard or classification (or the results to be obtained by the use thereof), and all such parties hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to any such standard or classification. Without limiting any of the foregoing, in no event shall MSCI, S&P, any of its affiliates or any third party involved in making or compiling the GICS or any GICS classification have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages.

Financial Statements

Schedule of Investments

As of December 31, 2023

The fund files its complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The fund's Form N-PORT reports are available on the SEC's website at www.sec.gov.

| | | Shares | Market Value• (\$000) | | | Shares | Market Value• (\$000) |
|-----|---|----------------------|-----------------------------|-------|--|----------------------|-----------------------------|
| Со | mmon Stocks (99.6%) | | | * | Altice USA Inc. Class A | 3,401,473 | 11,055 |
| Co | mmunication Services (4.1%) | | | * | IDT Corp. Class B | 310,485 | 10,584 |
| * | Trade Desk Inc. Class A | 6,596,543 | 474,687 | | Gray Television Inc. | 1,175,724 | 10,534 |
| * | ROBLOX Corp. Class A | 7,220,475 | 330,120 | * | Stagwell Inc. Class A | 1,578,610 | 10,466 |
| * | Pinterest Inc. Class A | 8,679,981 | 321,506 | | Liberty Media CorpLiberty Live Class A | 283,361 | 10,357 |
| * | Snap Inc. Class A | 15,242,506 | 258,056 | | Eventbrite Inc. Class A | 1,238,632 | 10,355 |
| * | Liberty Media CorpLiberty Formula One Class C | 3,114,045 | 196,590 | * | QuinStreet Inc. | 766,100 | 9,821 |
| * | Roku Inc. Class A | 1,848,061 | 169,393 | * | Anterix Inc. | 294,257 | 9,805 |
| * | Liberty Broadband Corp. Class C | 1,737,405 | 140,017 | * | PubMatic Inc. Class A | 599,046 | 9,770 |
| | New York Times Co. Class A | 2,402,356 | 117,691 | * | Clear Channel Outdoor Holdings Inc. | 5,330,271 | 9,701 |
| * | Frontier Communications Parent Inc. | 3,288,944 | 83,342 | * | Thryv Holdings Inc. | 462,991 | 9,422 |
| * | ZoomInfo Technologies Inc. Class A | 4,404,680 | 81,443 | * | Vimeo Inc. | 2,395,249 | 9,389 |
| | Iridium Communications Inc. | 1,827,059 | 75,202 | * | Gogo Inc. | 918,019 | 9,300 8,933 |
| | Nexstar Media Group Inc. Class A | 476,838 | 74,744 | * | Playtika Holding Corp. United States Cellular Corp. | 1,024,385 203,368 | 8,448 |
| | Warner Music Group Corp. Class A | 2,053,718 | 73,503 | * | AMC Networks Inc. Class A | 440,211 | 8,272 |
| | TKO Group Holdings Inc. Class A | 887,002 | 72,362 | *,1 | AST SpaceMobile Inc. Class A | 1,354,173 | 8,166 |
| | Liberty Global Ltd. Class C | 3,811,096 | 71,039 | *,1 | EchoStar Corp. Class A | 487,434 | 8,077 |
| | Endeavor Group Holdings Inc. Class A | 2,752,330 | 65,313 | * | EW Scripps Co. Class A | 917,106 | 7,328 |
| * | Liberty Media CorpLiberty SiriusXM | 2,261,936 | 65,099 | | Sinclair Inc. | 546,544 | 7,121 |
| | IAC Inc. | 1,027,767 | 53,834 | | ATN International Inc. | 166,571 | 6,491 |
| * | Cogent Communications Holdings Inc. | 636,698 | 48,427 | * | Daily Journal Corp. | 18,366 | 6,259 |
| * | Yelp Inc. Class A Ziff Davis Inc. | 1,001,976 | 47,434 | *,1 | National CineMedia Inc. | 1,433,978 | 5,937 |
| * | Madison Square Garden Sports Corp. | 675,854 246,570 | 45,411 44,834 | * | Liberty Latin America Ltd. Class A | 795,778 | 5,817 |
| | TEGNA Inc. | 2,901,070 | 44,834 | | Marcus Corp. | 393,779 | 5,741 |
| | Cable One Inc. | 2,301,070 67,078 | 37,335 | * | Gannett Co. Inc. | 2,356,867 | 5,421 |
| * | TripAdvisor Inc. | 1,593,071 | 34,299 | * | Cardlytics Inc. | 572,514 | 5,273 |
| 1 | Sirius XM Holdings Inc. | 5,665,848 | 30,992 | *,1 | Rumble Inc. | 1,159,992 | 5,208 |
| * | Cargurus Inc. Class A | 1,262,831 | 30,510 | * | Advantage Solutions Inc. | 1,420,480 | 5,142 |
| * | Liberty Media CorpLiberty SiriusXM Class A | 1,043,900 | 30,002 | * | Vivid Seats Inc. Class A | 809,764 | 5,118 |
| * | Liberty Global Ltd. Class A | 1,647,395 | 29,274 | * | Spok Holdings Inc. | 319,087 | 4,939 |
| * | Lumen Technologies Inc. | 14,873,850 | 27,219 | * | Consolidated Communications Holdings Inc. | 1,135,214 | 4,938 |
| | Telephone & Data Systems Inc. | 1,442,817 | 26,476 | * | Boston Omaha Corp. Class A | 309,921 | 4,875 |
| * | Liberty Media CorpLiberty Live Class C | 704,619 | 26,346 | * | Bandwidth Inc. Class A | 321,646 | 4,654 |
| * | Cinemark Holdings Inc. | 1,590,828 | 22,415 | * | iHeartMedia Inc. Class A | 1,617,525 | 4,319 |
| * | AMC Entertainment Holdings Inc. Class A | 3,641,680 | 22,287 | * | Nextdoor Holdings Inc. | 2,222,557 | 4,201 |
| * | Bumble Inc. Class A | 1,463,190 | 21,567 | * | TrueCar Inc. | 1,095,565 | 3,791 |
| * | DISH Network Corp. Class A | 3,679,970 | 21,233 | * | EverQuote Inc. Class A | 304,276 | 3,724 |
| * | Globalstar Inc. | 10,656,323 | 20,673 | * | Ooma Inc. Playstudios Inc. | 343,937 1,348,026 | 3,690 3,653 |
| | John Wiley & Sons Inc. Class A | 635,623 | 20,175 | | Entravision Communications Corp. Class A | 853,836 | 3,560 |
| | Madison Square Garden Entertainment Corp. Class A | | 19,894 | * | Reservoir Media Inc. | 450,913 | 3,215 |
| ÷ | Lions Gate Entertainment Corp. Class B | 1,797,348 | 18,315 | * | WideOpenWest Inc. | 773,022 | 3,131 |
| * | Liberty Media CorpLiberty Formula One Class A | 314,681 | 18,245 | * | MediaAlpha Inc. Class A | 276,401 | 3,082 |
| * | Atlanta Braves Holdings Inc. Class C | 438,278 | 17,347 | *,1 | Getty Images Holdings Inc. | 554,938 | 2,913 |
| | Cars.com Inc. | 903,437 | 17,138 | * | Angi Inc. Class A | 1,077,528 | 2,683 |
| * | Shutterstock Inc. | 351,723 | 16,981 | *,1 | Grindr Inc. | 291,637 | 2,561 |
| * | Magnite Inc. | 1,781,309 | 16,637 | * | Outbrain Inc. | 475,801 | 2,084 |
| | Liberty Broadband Corp. Class A | 201,179 | 16,223 | * | Emerald Holding Inc. | 332,308 | 1,987 |
| * | Shenandoah Telecommunications Co. | 745,639 | 16,121 | * | Innovid Corp. | 1,104,530 | 1,657 |
| | ZipRecruiter Inc. Class A | 1,112,562 | 15,465 | | Townsquare Media Inc. Class A | 153,492 | 1,621 |
| * | Scholastic Corp. Integral Ad Science Holding Corp. | 404,462 980,154 | 15,248 14 104 | | Saga Communications Inc. Class A | 69,605 | 1,549 |
| * | fuboTV Inc. | 980,154 4,350,600 | 14,104 13,835 | * | DHI Group Inc. | 571,362 | 1,480 |
| * | Sphere Entertainment Co. | 4,350,600 389,542 | 13,835 | * | LiveOne Inc. | 996,949 | 1,386 |
| * | TechTarget Inc. | 378,311 | 13,229 | *,1,: | ² Tingo Group Inc. | 1,943,444 | 1,341 |
| * | Lions Gate Entertainment Corp. Class A | 1,134,040 | 12,361 | *,1 | Skillz Inc. Class A | 202,677 | 1,265 |
| * | Liberty Latin America Ltd. Class C | 1,578,600 | 11,587 | * | Cumulus Media Inc. Class A | 227,161 | 1,208 |
| *,1 | Atlanta Braves Holdings Inc. Class A | 265,212 | 11,346 | *,1 | PSQ Holdings Inc. | 199,860 | 1,047 |

| James Galob Forester Shares Urand One Inc. Class A 221,854 883 Urand One Inc. Class A 447,038 AdTheorem Holing Co. Inc. 630,727 628 Dick's Storing Gaods Inc. 90,024 Colone Mark Clas, Inc. 331,378 789 Timpus Shark Intervited Inc. 91,830,05 J. Suppley Inc. 117,2700 770 Addition Inc. 983,056 10 J. Suppley Inc. 117,2700 770 Addition Inc. 983,056 10 J. Mark Inc. 110,183 688 Via Markonski Inc. 983,056 10 J. Markon Inc. 110,183,068 10 Times Sharkonski Inc. 983,058 10 J. Markon Inc. 110,183,078 10 Times Sharkonski Inc. 933,058 10 J. Markon Inc. 110,183,078 10 Times Sharkonski Inc. 933,078 10 J. Markon Inc. 110,183,078 10 Times Times Anis Anis Anis Anis Anis Anis Anis Ani | | | Market | | | | Market |
|--|---|-----------|-------------------|------------|---------------------------------------|-----------|--------------------|
| Utban One Inc. Class A 221/891 893 Lihin Metors Inc. Class A 1/2026 Gelden Marik Group Inc. 331.78 789 Tempu Seaky International Inc. 2,PAL,1071 SurgePsy Inc. 1/17.80 780 SurgePsy Inc. 1/17.84 1/17.84 SurgePsy Inc. 1/17.86 780 Autoin Inc. 1/17.84 1/17.84 Harts Hanks Inc. 1/17.86 780 Autoin Inc. 1/17.86 780 Harts Hanks Inc. 1/17.86 780 Pointer Digital Holdings Inc. 1/17.86 780 1/16.86 1/16.86 Harts Hanks Inc. 1/16.86 1/16 Beatra Status 1/16.86 | | Shares | Value• (\$000) | | | Shares | Value• (\$000) |
| AdTheorem Holding Co. Inc. 660,797 626 Dick's Sporting Goods Inc. 911,204 12 Golden Markin Group Inc. 47118 787 Skechers USA Inc. Class A 1,975,494 13 SurgePsyn Inc. 117,786 787 Autoin Inc. 1,887,494 13 SurgePsyn Inc. 117,786 787 Autoin Inc. 148,404 148,405 1 Mark Model Inc. 197,897 149 Laar Carp 862,006 10 1 Mark Model Inc. 197,897 149 Lear Carp 862,006 10 1 Mark Model Inc. 197,897 149 Genes Carp 343,444 11 System Tinc. 248,582 651 Wingstop Inc. 352,630 10 1 Log Markonia Inc. 248,581 11 322,630 10 122,630 10 1 Log Markonia Inc. 248,541 100 244,541 10 243,543 11 1 Log Markonia Inc. 248,541 100,540 100 | * Travelzoo | 106,066 | 1,011 | _ | Churchill Downs Inc. | 1,004,765 | 135,573 |
| Colden Matrix Group Inc. 331.370 799 Tempor Seaky International Inc. 2.458.388 12 SurgePhysic Inc. 117.86 760 Autoliv Inc. 1,038.666 13 Virsen Chine Inc. 201.891 713 Lear Corp. Bitto Inc. 1008.666 13 Virsen Chine Inc. 201.891 713 Lear Corp. Bitto Inc. 202.305 Virsen Chine Inc. 201.305 669 Virsen Chine Inc. Dass A 202.447.71 11 Virsen Chine Inc. 243.322 619 Teass Randhouse Inc. Chas A 24.49.477 11 Virsen Chine Inc. 243.322 619 Window Inc. 32.449.477 11 System Tinc. 243.322 619 Wondow Inc. 32.449.477 11 Gask Inc. Class A 134.494.491 524 Hold Mondow Inc. 32.728.90 10 Gask Inc. Class A 139.494 140 Hold Mondow Inc. 32.728.90 10 Lago Medin Inc. 433.034 468 37.99 10 10.414.11 10.444.41 | | 1 | | | | , | 134,049 |
| - conscore inc. 47.18 787 Skepters USA Inc. Class A 1.977,494 12 - SurgePsyn 10.133 Barl 13 Lear Cras. 683,000 12 - Unitario The Inc. 201,881 713 Lear Cras. 683,000 12 - Inter Harks Inc. 101,333 Barl Vall Resorts Inc. 587,000 33,000 - Inter Harks Inc. 144,9651 101,333 Barl Data Particle Inc. Class A 597,401 10 - Vall Vall Vall Vall Vall Vall Vall Val | - | , | | | 1 8 | | 133,755 |
| ¹¹ Surgerse Inc. 11/2020 700 Autolv Inc. 11/08/06 | | | | * | | | 129,659 123,152 |
| Uthin One Inc. 201,891 713 Lear Corp. 583,006 555,55 10 1173 388 Valifesorta Inc. 553,555 12 11 1173 383 Valifesorta Inc. 553,555 12 11 1173 1173 1111 111 111 | | , | | | | | 123,152 |
| Intern Hanks Inc. 101,823 688 Vali Records Inc. 652,065 12 Intern Updah Holdings Inc. 12,32,67 649 Toxas Rodhouset Inc. Class A 37,440 11 Intern Updah Holdings Inc. 12,32,67 649 Toxas Rodhouset Inc. Class A 37,440 11 Intern Updah Holdings Inc. 243,523 551 Wingstop Inc. 435,643 11 37,341 11 11,323,341 11 12,323,411 12,323,313 12,323,311 12,323,31 | | , | | | | | 121,865 |
| 1.1 Number of the construction of the construc | * Harte Hanks Inc. | , | | | | | 120,304 |
| 1 Gentex Corp. 3,449,477 11 1 Gentex Corp. 438,563 11 1 Lee Enterprises Inc. 63,367 546 PVH Corp. 689,636 10 1 Lee Enterprises Inc. 63,367 546 Lupht & Wonder Inc. 1,322,580 10 1 Gala Inc. Class A 194,494 525 Aramark 2,326,141 10 1 Concert Class A 194,494 525 Aramark 2,326,326 1 1 Concert Class A 193,926 229 Mutrapti USA Inc. 2,325,760 1 1 CEA Wondbride Inc. 238,926 229 Mutrapti USA Inc. 2,325,760 1 1 Zadge Inc. Class A 190,989 788 Mutrapti USA Inc. 2,325,760 1 1,018,412 1 2 Carge Inc. Class A 193,986 370 Thor Industries Inc. 1,924,944 5 1 2,449,95 1 1,018,412 1 1,018,412 1 1,018,412 1,01 | | | | * | 0 | | 120,275 |
| System 1 Inc. 248 822 551 Wingstop Inc. 335.05 11 Lane Enterprises Inc. 63 387 546 PVH Cop. 933.05 11 Marchex Inc. Class B 400.912 545 Light & Wonder Inc. 3,861.141 Avana Group Holdings Inc. 183.072 448 H&R Black Inc. 2,120.992 Fluent Inc. 639.548 428 Martab Inc. 2,225.98 Loop Media Inc. 149.003 199 Windsm Coles & A 10.225.98 Zedge Inc. Class B 100.986.69 375 Martage Homes Cop. 542.01 Teleching International Inc. 249.855 370 Thor Industries Inc. 7.98.454 Patala Inc. 94.755 2337 Fouristres Inc. 1.706.469 Oblins Fouristres Inc. 1.05.87 135.71 155 Martage Homes Cop. 1.208.468 Oblins Fouristres Inc. 1.35.87 115.8 Martage Homes Cop. 1.408.485 Oblins Fouristres Inc. 1.35.87 115.8 Martage Homes Cop. 1.208.485 Oblins Fouristres Inc. 1.35.8 | | | | | | | 119,473 |
| Loss Entreprises Inc. 69,387 546 PVH Corp. 693,636 10 Gais Inc. Class A 194,494 525 Aramark 3,861,441 10 Gais Inc. Class A 198,072 448 HAR Black. Inc. 2,126,921 10 KORE Group Holdings Inc. 437,022 448 HAR Black. Inc. 2,226,231 Fluent Inc. 633,914 228 Marphy USA Inc. 2,226,231 Zeb Moldwide Inc. 198,666 936 Brunswick Corp. 1,014,412 55 Zeb Moldwide Inc. 198,666 370 Thor Industries Inc. 7,826,444 52 Zeb Moldwide Inc. 98,765 370 Thor Industries Inc. 7,844,45 52 FG Group Holdings Inc. 229,852 367 Piner Efitness Inc. Class A 1,704,464 52 Datablewide Corp. 40,169 771 For Group Holdings Inc. 403,895 56 Clorearkystream Inc. 199,773 144 17 Carrente Corp. 434,889 Clorearkystream Inc. 199,771 16 | | , | | | | | 112,660 |
| Methox Inc. Class B 400,912 943 Light & Wichneir Inc. 1,322,880 1,322,880 Gaal Inc. Class A 194,494 525 Armank 3,861,411 10 KOPE Group Holdings Inc. 138,072 448 HAR Block Inc. 2,125,992 10 Fluent Inc. 639,948 428 Mattel Inc. 2,222,998 2,223,998 Loop Media Inc. 119,036 918 Wyntham Hotels & Resorts Inc. 1,222,910 Zedge Inc. Class A 119,066 370 Thor Industries Inc. 7,224,910 Classing International Inc. Class A 129,066 370 Thor Industries Inc. 7,83,444 Classing International Inc. Class A 126,066 370 Thor Industries Inc. 126,286 Classing International Inc. Class A 106,062 371 Thor Industries Inc. 126,286 Classing International Inc. Class A 106,286 118 Class A 106,286 Classing International Inc. Class A 106,282 118 100,183,183 106,284,985 Clasting International Inc. Class A 128,287 | | | | | | | 111,752 |
| Gain In. Class A 194,494 225 Amarak 3,861,411 10 KORE Group Holdings Inc. 437,824 429 Murphy USA Inc. 283,750 1 Fluert Inc. 633,544 428 Mattel Inc. 5,224,588 5 Loo Media Inc. 419,003 419 Windham Hotels & Resorts Inc. 1,226,221 ZEA Windhwide Inc. 198,466 395 Burnswick Corp. 541,011 5 Reading International Inc. Class A 198,666 376 Martage Homes Corp. 542,071 5 Planet Finessinc. Class A 1,264,995 5 7 FG Group Holdings Inc. 249,852 367 Planet Finess Inc. Class A 1,264,995 5 Dataskiews Corp. 40,183 172 Taylor Minison Home Corp. Class A 1,534,238 5 Dorage Entroprises Inc. 1,286,251 156 Cross Inc. 644,865 6 Dorage Entroprises Inc. 1,286,361 154 Martage Homes Corp. 4,218,385 1,513,388 5 Dorage Entroprises Inc. 1,286,361 | | | | * | • | | 109,131 109,031 |
| * Ame Group Holdings Inc. 188.072 448 HAR Block Inc. 2,122,932 10 * KORE Group Holdings Inc. 438,054 428 Murphy USA Inc. 283,750 7 * Loop Medial Inc. 198,466 395 Burryhy USA Inc. 5,226,538 5 * Zedge Inc. (Sass B 160,966 378 Merrage Homes Corp. 1,018,412 5 * Reading International Inc. Class A 180,566 370 Thor Industrises Inc. 788,444 5 * Class IS 100,566 370 Thor Industrises Inc. 788,444 5 * Class IS 100,526 172 Taylor Morrison Home Corp. Class A 1,564,995 * Stran & Co. Inc. 100,526 172 Taylor Morrison Home Corp. Class A 1,574,236 * Charge Enterprises Inc. 13,727 144 * Carsana Co. Class A 1,515,388 2 * Charge Enterprises Inc. 120,552 122 Waydrain Inc. 243,485 2 * Charge Enterprises Inc. 120,552 122 Wahoris Inc. 1,205,349 2 | | | | | • | | 103,031 |
| * OAE Group Holdings Inc. 437824 429 Murphy USA Inc. 283,760 1 * Huen Inc. 639,548 428 Mattel Inc. 1,226,231 5 * Loop Media Inc. 119,003 419 Windham Hotels & Resorts Inc. 1,226,231 5 * ZEA Workwise Inc. 198,466 395 Brunswick Corp. 641,071 5 * Beading International Inc. Class A 198,566 370 Thor Industries Inc. 788,454 5 * Platak Inc. 99,782 Capri Holdings Ld. 1,766,466 5 7 Planet Fitness Inc. Class A 1,574,236 5 * OutpristyStream Inc. 1,336,771 155 Macy Sine. 401,892 6 6 5 6 7 6 4 6 5 6 7 6 6 5 6 7 6 6 5 6 6 5 6 7 6 6 6 6 6 6 6 6 6 6 6 6 6 | | | | | | | 102,883 |
| * Fuent Inc. 639,648 428 * Matel Inc. 5,228,588 5 * Loop Media Inc. 199,466 395 Burnswick Corp. 1,018,412 5 * Zedge Inc. (Sass B 160,396 376 Mertage Hores Corp. 542,071 5 * Fedding International Inc. Class A 199,466 397 Thor Industries Inc. 789,464 5 * Fedding International Inc. Class A 199,786 233 Capri Holdings Inc. 798,464 5 * ChrosityStream Inc. 392,619 212 Taylor Morrison Home Corp. Class A 1,544,985 5 * Stran & Co. Inc. 1,356,771 155 Macy's Inc. 249,485 6 * Dolphin Entratinament Inc. 39,261 127 * Valuation Inc. 243,495 5 * Converse Corp. 92,51 127 * Valuation Inc. 1,263,499 7 * Carena Co. Class A 1,217,48 118 Polaris fine Additions Inc. | | | | | | | 101,174 |
| 1252 Workwide Inc. 198.466 396 Burssweit Corp. 1018.412 226dp Inc. Class B 1035.566 370 Mortiage Homes Corp. 542.011 F6 Group Holdings Inc. 249.852 387 Flance Homes Corp. 1264.995 Curicality Stream Inc. 399.765 2233 Capri Holdings Inc. 1264.995 DallasNews Corp. 40.189 172 Flance House Corp. Class A 1574.206 Strant & Co. Inc. 108.55 158 Group Enterprises Inc. 194.192 Ford Victorians Family Solutions Inc. 854.665 Dalphin Entertainment Inc. 39.777 144 * Carvenia Co. Class A 1575.398 Conventing Factor Corp. 31.777 144 * Carvenia Co. Class A 1575.398 Conventing Factor Corp. 31.777 144 * Carvenia Co. Class A 1055.349 Darbin Enterclass A 471.288 118 Pakin Inc. 778.001 778.001 Spart Holdings Inc. 39.807 91 Aaddemy Sports & Outdoors Inc. 1.008.449 Spart Holewelers Lid. | * Fluent Inc. | 639,548 | 428 | * | Mattel Inc. | 5,229,598 | 98,735 |
| 2 Regin Inc. Class B 100,966 378 Meritage Homes Corp. 542,071 54 Performantional Inc. Class A 132,566 370 Thor Industries Inc. 128,444 55 Pattali Inc. 997,85 233 Capri Holdings Ltd. 1,706,446 56 Datas News Corp. 401,89 122 Hyart Hortels Corp. Class A 633,697 Corp Entreprises Inc. 1356,711 155 Corps Inc. 844,885 154 Bright Horizons A (15,1568 154 57 157 Advertion Horizon Hore Corp. Class A 1,515,368 1,515,368 1,515,368 1,515,368 1,515,368 1,515,368 1,515,368 1,203,349,37 1,515,368 1,203,349,37 1,204,372,87 1,317,371 155 Margin Inc. Class A 1,203,349,37 1,204,372,87 1,317,371 155 Margin Inc. Class A 1,203,349,37 1,317,371 155 Margin Inc. Class A 1,203,349,37 1,31,373 1,31,373 1,31,373 1,31,373 1,31,373 1,31,373 1,31,373 1,31,373 1,31,373 1,31,323,349,37 1,31,344,37 | Loop Media me. | | | | , | | 98,601 |
| *** Peading International Inc. Class A 193,566 370 ************************************ | | | | | • | | 98,531 |
| * FG Group Holdings Inc. 249,862 367 * Planet Fitness Inc. Class A 1,264,996 * Pattalk Inc. 392,619 212 Hyatt Holdings Ltd. 1,706,446 63,697 * Stan & Co, Inc. 302,619 212 Hyatt Holes Corp. Class A 633,697 * Stan & Co, Inc. 106,525 158 Crocs Inc. 894,885 894,885 * Obliphin Entertainment Inc. 39,955 154 Macy's Inc. 4,049,882 8 * Converse Corp. 34,251 127 Valvoine Inc. 2,047,728 15,513,88 2 * SpRA Group Inc. 120,632 122 Valvoine Inc. 2,047,728 12,047,728 ** Converse Corp. 342,617 18 Patark Inc. Class A 1,208,349 12,047,728 ** Sazzersed Inc. 32,607 91 Azadrom Sports & Class A 1,208,744 12,67,748 ** Lackity Holdings Inc. 16,287 18,847 12,857,849 12,867,748 12,867,748 12,867,748 12,867,748 12,867,748 12,867,748 12,867,748 12,867,748 12,867,748 | | | | | | | 94,429 |
| Potofoup Produings Inc. 249.862 300 Planter Printess Inc. (2085 A 1,206.4969 Patial line. 392,619 212 Hyatt Hotels Corp. Class A 653,697 CuriosityStream Inc. 392,619 212 Hyatt Hotels Corp. Class A 653,697 To Charge Enterprises Inc. 106,525 156 Cross Inc. 40,4982 56 Charge Enterprises Inc. 31,77 144 Fainter Hotess Inc. 40,4982 56 Charge Enterprises Inc. 31,737 144 Carava Co. Class A 1,515,586 56 SPAR Group Inc. 120,622 Waylin Inc. Class A 1,204,392 57 SPAR Group Inc. 120,623 122 Waylin Inc. Class A 1,205,349 *** Strate Realities Inc. 37,517 89 Signet Jawelers Ltd. 667,484 7 *** PotacastOne Inc. 152,790 78 Garastop Corp. Class A 3,981,947 6 *** PotacastOne Inc. 52,470 7 Garastop Corp. Class A 3,81,947 6 6 6,672,484 | | | | * | | , | 93,353 |
| CuriosityStream Inc. 392,619 212 Hyatt Hote Scorp. Class A 663,697 E 1 Stan & Co. Inc. 106,625 158 Crose Inc. 804,985 6 1 Charge Enterprises Inc. 1,356,771 155 Macy's Inc. 40,493,982 6 1 Charge Enterprises Inc. 31,377 144 1 Carvana Co. Class A 1,515,588 6 1 Charves Corp. 94,261 127 Valvoline Inc. 2,047,728 7 1 Buzzfeed Inc. Class A 471,228 118 Polaris Inc. 12,353,49 7 1 Buzzfeed Inc. Class A 471,228 118 Polaris Inc. 7,78,001 7 1 Buzzfeed Inc. Class A 471,228 18 Polaris Inc. 11,30,447 7 1 Creative Raelitiss Inc. 37,877 9 Signet Javelers Lid. 667,484 7 1 Creative Raelitiss Inc. 37,871 88 KB Home 1,310,447 7 1 Creative Ra | | | | | | | 92,345 |
| Delashiwa Corp. 40,189 172 Taylor Morison Home Corp. Class A 1,54,236 5 1 Stran & Co. Inc. 106,625 16 Crocs Inc. 84,685 84,685 1 Charge Enterprises Inc. 1,366,771 165 Mary's Inc. 84,685 84,685 1 Charge Enterprises Inc. 31,737 144 10 Crownan Co. Class A 1,515,388 1 1 Charge Enterprises Inc. 120,632 122 Valvaline Inc. 2,047,728 7 1 SPAR Group Inc. 120,632 122 Valvaline Inc. 12,063,249 7 1 NextRight Enchanologies Inc. 37,617 89 Signet Jewellers Lt. 667,844 7 1 Catelyte Aductione Inc. 18,287 88 Home 1,100,497 7 1 LastRy Holdings Inc. 3,241 68 144e/s-Davidon Inc. 19,118 6 1 LastRy Holdings Inc. 34,2307 6 6 9 2 Asset Markon Inc. 1,872,868 | | , | | | | | 85,732 85,249 |
| *1 Stra & Co. Inc. 106,825 168 Crocs Inc. 4,94,982 *1 Charge Entrprises Inc. 1,366,771 164 Bright Horzans Family Solutions Inc. 884,986 *1 Dolphin Entertainment Inc. 89,956 154 Bright Horzans Family Solutions Inc. 884,986 *1 Cineverse Corp. 94,251 127 Valvoline Inc. 2,047,28 *1 BuzzFeed Inc. Class A 471,268 Polesin Inc. 106,344 7 *1 BuzzFeed Bitiss Inc. 39,607 91 Academy Sports & Outdoors Inc. 1,100,996 7 *1 Creative Realities Inc. 37,871 78 Signet Jewelers Ld. 667,484 7 *1 Creative Realities Inc. 37,871 78 KB Home 1,30,447 7 *1 Collective Aucience Inc. 57,900 78 Voller's Bargan Outlet Holdings Inc. 911,918 6 *1 Eaze Holdings Inc. 342,307 62 Asbury Automotive Group Inc. 304,536 6 *2 Faze Holdings Inc. | | | | * | | | 83,986 |
| 1 ⁻¹ Charge Enterprises Inc. 1,356,771 155 Macy's Inc. 4,449,892 5 Dolphin Entertainment Inc. 89,955 154 Singht Horizons Family Solutions Inc. 864,965 6 Lendway Inc. 31,737 144 1 ⁻¹ Carvana Co. Class A 1,515,368 6 ¹¹ Chreverse Corp. 94,251 127 Valvaline Inc. 2,047,728 1,235,349 7 ¹² SPAR Group Inc. 120,632 122 Valvaline Inc. 7,780,017 7 ¹³ NextPay Technologies Inc. 37,817 89 Signet Jewelles Ltd. 667,484 7 ¹⁴ Leaft Holdings Inc. 13,827 88 K B Home 1,130,447 7 ¹⁵ Leaft Holdings Inc. 13,827 88 K B Home 1,377,968 6 ¹⁵ Collective Audiance Inc. 57,900 78 ¹⁰ Gile's Bargain Outlet Holdings Inc. 1,287,968 6 ¹⁶ Liberty Global Ltd. Class A 66,912 59 YETH Holdings Inc. 1,287,226 6 ¹⁶ Liberty Global Ltd. Class A <td< td=""><td></td><td></td><td></td><td>*</td><td>,</td><td></td><td>83,573</td></td<> | | | | * | , | | 83,573 |
| Dolphin Entertainment Inc. 89,955 154 * Bright Horzons Family Solutions Inc. 86,965 85 * Icneverse Corp. 94,251 127 * Valvoline Inc. 2,047,728 7 *1 SPAR Group Inc. 120,632 122 * Wayfair Inc. Class A 1,235,349 7 *1 Buzzfeed Inc. Class A 471,268 118 Polaris Inc. 1,778,010 7 *1 Detafy Holdings Inc. 37,617 90 Signet Jevelers Lot. 667,444 7 *1 Ceative Realities Inc. 37,817 88 KB Home 1,130,447 7 *1 Collective Audience Inc. 18,287 88 KB Home 3,981,947 6 *1 Leidry Holdings Inc. 13,281,737 62 Asbury Automotive Group Inc. 3,981,947 6 *1 Leidre Group Inc. Class A 22,967 72 74 8 GameStop Corp. Class A 3,981,947 6 *1 Faze Holdings Inc. 3,172,728 6 6 | | | | | | | 81,484 |
| Chewerse Corp. 94,251 127 Vakoline Inc. 2,047,728 2 1 SPAR Group Inc. 120,632 122 Wayfar Inc. Class A 1,235,349 7 1 BuzzFeed Inc. Class A 471,268 118 Polaris Inc. 1,235,349 7 1 BuzzFeed Inc. Class A 471,268 118 Polaris Inc. 1,100,986 7 1 Creative Realities Inc. 37517 88 KB Home 1,130,447 7 1 Dedit Middings Inc. 18,287 88 KB Home 1,130,447 7 1 Liberty Global Ltd. Class B 3,841 68 Harley-Davidson Inc. 1,877,868 6 1 Liberty Global Ltd. Class A 66,912 59 YET Holdings Inc. 1,287,732 6 Gap Inc. 3,172,275 6 1 Chicken Soup For The Soul Entertainment Inc. 22,967 4 R R 226,996 6 Gap Inc. 3,172,275 6 6 7 Abeercromble & Fitch Co. Class A 726,436 | | | 154 | * | Bright Horizons Family Solutions Inc. | 854,965 | 80,572 |
| Theorem 24,201 12 Variation 2,24,728 SPAR Group Inc. 120,632 122 Varyfair Inc. Class A 1,235,349 7 NextPlay Technologies Inc. 39,607 91 Academy Sports & Outdoors Inc. 1,100,846 7 NextPlay Technologies Inc. 38,607 91 Academy Sports & Outdoors Inc. 1,100,846 7 PodrasiOne Inc. 18,287 88 KB Home 1,130,447 7 Collective Audience Inc. 45,954 85 *1 GameStop Corp. Class A 3,981,947 6 Liberty Global Ltd. Class B 3,841 88 KB Home 1,130,447 7 * Faze Holdings Inc. 18,287 48 5 GameStop Corp. Class A 3,981,947 6 * Basely Bradcast Group Inc. Class A 3,42,307 62 Asbury Automotive Group Inc. 3,04,536 6 * Basely Bradcast Group Inc. Class A 122,967 48 Gap Inc. 1,222,937 6 * Chicken Soup For The Soul Entertainment Inc. 1,22,967 48 Gap Inc. <td< td=""><td></td><td>31,737</td><td>144</td><td></td><td>^I Carvana Co. Class A</td><td>1,515,368</td><td>80,224</td></td<> | | 31,737 | 144 | | ^I Carvana Co. Class A | 1,515,368 | 80,224 |
| Prink Ortogi Inc. 120,502 122 Wayman Inc. Class A 12,35,349 12,35,349 BuzzFeed Inc. Class A 471,268 118 Polaris Inc. 77,001 7 NextPlay Technologies Inc. 33,607 91 Academy Sports & Outdoors Inc. 1,100,896 7 * Leafty Holdings Inc. 32,517 89 Signet Jewelers Ltd. 667484 7 * Leafty Holdings Inc. 18,287 88 KB Home 1,130,447 7 * Leafty Holdings Inc. 45,954 85 * GeneStop Corp. Class A 3,981,947 6 Collective Audience Inc. 57,900 78 Ollie's Bargain Outlet Holdings Inc. 911,918 6 * Faze Holdings Inc. 324,307 62 Asbury Automotive Group Inc. 3,04,536 6 * Beasley Broadcast Group Inc. Class A 26,703 44 RH 226,996 Collective Corp. 3,22,997 48 Bay daming Corp. 1,020,928 6 * NextPlat Corp. 2,844 35 | cilicverse corp. | | | | | | 76,954 |
| ************************************ | of Art Gloup file. | | | * | | | 76,221 |
| ************************************ | | | | | | | 73,731 |
| 1 Leaffy Holdings Inc. 10,247 7 1 Leaffy Holdings Inc. 16,297 88 KB Home 1,130,447 7 PodcastOne Inc. 65,994 85 GeneStop Corp. Class A 3,981,947 6 Collective Audience Inc. 65,990 78 Ollie's Barestop Corp. Class A 3,981,947 6 Collective Audience Inc. 65,990 78 Ollie's Barestop Corp. Class A 3,981,947 6 1 Faze Holdings Inc. 94,2307 62 Asbury Automotive Group Inc. 3,945,368 6 Beasley Broadcast Group Inc. Class A 66,912 59 YETI Holdings Inc. 1,287,732 6 Beasley Broadcast Group Inc. Class A 122,967 48 Gap Inc. 3,172,295 6 '1 Chicken Soup For The Soul Entertainment Inc. 26,703 44 7 8 H 24,643 6 Class A 10638 33 Installed Building Products Inc. 3,442,070 6 6 6 9 6,004/ear Tire & Rubber Co. 4,190,327 6 7 6 6 9 7 6 6 <td>Next hay recimologies me.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>72,659</td> | Next hay recimologies me. | | | | | | 72,659 |
| Loby Techny No. Totage Totage Totage Totage Totage Totage PodcastOne Inc. 45,954 85 *1 GameStop Corp. Class A 3,981,947 6 Collective Audience Inc. 57,900 78 Ollie's Bargain Outlet Holdings Inc. 911,918 6 Liberty Global Ltd. Class B 3,841 68 Harley-Davidson Inc. 18,77,968 6 Salem Media Group Inc. Class A 66,912 59 YETI Holdings Inc. 1,287,732 6 Salem Media Group Inc. Class A 66,912 59 YETI Holdings Inc. 1,287,732 6 Class A 122,967 46 Gap Inc. 3,172,295 6 Class A 10,638 33 Installed Building Products Inc. 3,46,070 Class A 10,638 33 Group 1 Automotive Inc. 20,785 32 Group 1 Automotive Inc. 2,264,36 Society Pass Inc. 96,225 30 Goodyear Tire & Rubber Co. 4,190,327 6 Reading International Inc. Class B 1,877 14 < | creative riedities inc. | | | | | | 71,594 70,608 |
| Collective Audience Inc. 57900 78 Ollie's Bargain Outlet Holdings Inc. 911,918 6 Liberty Global Ltd. Class B 3,841 68 Harley-Davidson Inc. 1,877,968 0 FaZe Holdings Inc. 342,307 62 Asbury Automotive Group Inc. 304,536 0 Salem Media Group Inc. Class A 66,912 59 YETI Holdings Inc. 1,287,732 6 Colass A 102,907 48 Gap Inc. 3,172,295 6 Colass A 10,638 31 Installed Building Products Inc. 3,172,295 6 Colass A 10,638 33 Installed Building Products Inc. 3,60,70 4 Super League Enterprise Inc. 20,785 32 Group 1 Automotive Inc. 342,643 6 '1 Society Pass Inc. 96,225 30 Goodyear Tire & Rubber Co. 4,190,327 6 '1 Asset Entritise Inc. Class A 11,787 14 Penn Entertainment Inc. 2,744,343 6 '1 Asset Entritise Inc. Class A 9,300 6 American Eagle Outfitters Inc. | Learly Holdings inc. | | | *,1 | | | 69,804 |
| * Liberty Global Ltd. Class B 3,841 68 Harley-Davidson Inc. 1,877,968 67 ** Faze Holdings Inc. 342,307 62 Asbury Automotive Group Inc. 304,536 66 Beasley Broadcast Group Inc. Class A 122,967 48 Gap Inc. 3,172,295 66 * Salem Media Group Inc. Class A 122,967 48 Gap Inc. 3,172,295 66 * NextPlat Corp. 26,703 44 RH 226,996 67 * Chicken Soup For The Soul Entertainment Inc. 26,703 44 RH 226,996 67 * Motorsport Games Inc. Class A 10,638 33 Installed Building Products Inc. 205,021 68 *.1 Society Pass Inc. 96,225 30 Goodyear Tire & Rubber Co. 4,190,327 68 *.3 Asset Entities Inc. Class B 1,877 Penn Entertainment Inc. 2,244,343 5 *.4 Asset Entities Inc. Class B 9,300 6 American Eagle Outritters Inc. 2,741,648 5 | | | | * | | | 69,205 |
| Parale Producting Inc. 342,307 62 Asoury Automotive Group Inc. 304,336 Beasley Broadcast Group Inc. Class A 66,912 59 Y ETH Holdings Inc. 1,287,732 66 Salem Media Group Inc. Class A 122,967 48 Gap Inc. 3,172,295 67 * I NextPlat Corp. 26,703 44 RH Chicken Soup For The Soul Entertainment Inc. 226,996 74 * Chicken Soup For The Soul Entertainment Inc. 158,744 35 Boyd Gaming Corp. 1,020,928 67 * Motorsport Games Inc. Class A 10,638 33 Installed Building Products Inc. 205,021 66 Super League Enterprise Inc. 20,785 32 Group 1 Automotive Inc. 205,021 66 * Society Pass Inc. 96,225 30 Goodyear Tire & Rubber Co. 4,190,327 67 * Asset Entities Inc. Class B 1,884 27 Skyline Champion Corp. 789,433 67 * Asset Entities Inc. Class A 1,777 4 Penn Entertainment Inc. 2,741,648 68 * Moving Image Technologies Inc. | | | | | | | 69,184 |
| Beasiev Broadcast Group Inc. Class A 66,912 59 FET Holdings Inc. 1,28,732 6 Salem Media Group Inc. Class A 122,967 48 Gap Inc. 3,172,295 6 *1 NextPlat Corp. 26,703 44 RH 226,996 6 *1 Class A 158,744 35 Boyd Gaming Corp. 1,020,928 6 *1 Motorsport Games Inc. Class A 10,638 33 Installed Building Products Inc. 346,070 6 *1 Society Pass Inc. 96,225 30 Goodyaer Tire & Rubber Co. 4,190,327 6 *1 Asset Entities Inc. Class A 11,787 14 Penn Entertainment Inc. 2,244,343 5 *1 Asset Entities Inc. Class A 11,787 14 Penn Entertainment Inc. 2,744,648 5 *1 Asset Entities Inc. Class A 11,787 4 Penn Entertainment Inc. 2,244,343 5 *1 Asset Entities Inc. 3,471 3 AutoNation Inc. 383,667 4 *1 | | 342,307 | 62 | | Asbury Automotive Group Inc. | 304,536 | 68,511 |
| **1 NextPlat Corp. 26,703 44 * RH 226,996 226,996 **1 Chicken Soup For The Soul Entertainment Inc. Abercrombie & Fitch Co. Class A 742,643 6 * Motorsport Games Inc. Class A 10,638 33 Installed Building Products Inc. 346,070 6 * Motorsport Games Inc. Class A 10,638 33 Installed Building Products Inc. 346,070 6 * Super League Enterprise Inc. 20,785 32 Group 1 Automotive Inc. 205,021 6 * Reading International Inc. Class B 1,884 27 Skyline Champion Corp. 788,433 5 * Asset Entities Inc. Class B 9,300 6 American Eagle Outfitters Inc. 2,244,343 5 * Treasure Global Inc. 12,230 1 Grand Canyon Education Inc. 428,738 8 * Treasure Global Inc. 17,77 — M/I Homes Inc. 409,098 8 * Treasure Global Inc. 17,77 — M/I Homes Inc. 1,972,195 9 444,264 Leggett & Platt Inc. 1,972,195 | | | | * | 0 | | 66,679 |
| NextPlat Corp. 26,03 44 HH 226,966 66 1 Chicken Soup For The Soul Entertainment Inc. Abercromble & Fitch Co. Class A 742,966 66 2 Chicken Soup For The Soul Entertainment Inc. 158,744 35 Boyd Gaming Corp. 1,020,928 66 3 Super League Enterprise Inc. 20,785 32 Group 1 Automotive Inc. 205,021 66 1 Society Pass Inc. 96,225 30 Goodyear Tire & Rubber Co. 4,190,327 66 2 Snail Inc. Class A 11,787 14 Penn Entertainment Inc. 2,244,343 5 3 Moving Image Technologies Inc. 3,471 3 AutoNation Inc. 383,667 44 4 Moving Image Technologies Inc. 12,230 1 Grand Canyon Education Inc. 428,738 55 3 972,678 444,264 Leggett & Platt Inc. 446,096 55 Consumer Discretionary (11.4%) 39,867,42 243,066 Advance Auto Parts Inc. 446,096 56 5 | | | | | • | | 66,333 |
| Class A 158,744 35 Boyd Gaming Corp. 1,020,928 6 * Motorsport Games Inc. Class A 10,638 33 Installed Building Products Inc. 346,070 6 * Super League Enterprise Inc. 20,785 32 Group 1 Automotive Inc. 205,021 6 * Society Pass Inc. 96,225 30 Goodyear Tire & Rubber Co. 4,190,327 6 * Reading International Inc. Class B 1,884 27 Skyline Champion Corp. 788,433 5 * Snail Inc. Class A 11,787 14 Penn Entertainment Inc. 2,244,343 5 * Moving Image Technologies Inc. 3,471 3 AutoNation Inc. 38,667 9 * T ressure Global Inc. 12,230 1 Grand Canyon Education Inc. 428,738 5 * Grom Social Enterprises Inc. 177 — M/I Homes Inc. 499,098 5 * DocrDash Inc. Class A 4,492,508 444,264 Leegett & Platt Inc. 1,972,195 5 * DocrDash Inc. Class A 6,895,476 243,066 Adient plc 1,344,331 5 * DocrDash Inc. Class A 9,986,141 | Nexti lat colp. | 26,703 | 44 | * | | | 66,165 |
| * Motorsport Games Inc. Class A 10.638 33 Installed Building Products Inc. 346,070 6 * Super League Enterprise Inc. 20,785 32 Group 1 Automotive Inc. 205,021 6 * Society Pass Inc. 96,225 30 Goodyear Tire & Rubber Co. 4,190,327 6 Reading International Inc. Class B 1,884 27 Skyline Champion Corp. 789,433 5 * Snail Inc. Class A 11,787 14 Penn Entertainment Inc. 2,244,343 5 * Asset Entities Inc. Class B 9,300 6 American Eagle Outfitters Inc. 2,741,648 5 * Moving Image Technologies Inc. 3,471 3 AutoNation Inc. 383,667 5 * Grom Social Enterprises Inc. 177 — M/I Homes Inc. 428,78 5 * Goodpash Inc. Class A 4,492,508 444,264 Leggett & Platt Inc. 1,972,195 5 * DoorDash Inc. Class A 6,895,476 243,066 Adient plc 1,384,331 5 * Trasivian Automotive Inc. Class A 9, | Chicken Soup for the Sour Entertainment file. | 150 7/1 | 25 | | | | 65,516 |
| Super League Enterprise Inc. 20,785 32 Group 1 Automotive Inc. 205,021 6 * 1 Society Pass Inc. 96,225 30 Goodyear Tire & Rubber Co. 4,190,327 6 * Reading International Inc. Class B 1,884 27 Skyline Champion Corp. 789,433 5 * Inc. Class A 11,787 14 Penn Entertainment Inc. 2,244,343 5 * Asset Entities Inc. Class B 9,300 6 American Eagle Outfitters Inc. 2,741,648 5 Moving Image Technologies Inc. 3,471 3 AutoNation Inc. 383,667 3 * Treasure Global Inc. 12,230 1 Grand Canyon Education Inc. 428,738 5 Grom Social Enterprises Inc. 177 — M/I Homes Inc. 409,098 5 OorDash Inc. Class A 4,492,508 444,264 Leggett & Platt Inc. 1,972,195 5 * DoorDash Inc. Class A 6,895,476 243,066 Adient plc 1,384,331 5 * Tri Rivian Automotive Inc. 689,4776 243,066 Ad | | , | | | | | 63,920 63,269 |
| *.1 Society Pass Inc. 96,225 30 Goodyear Tire & Rubber Co. 4,190,327 6 Reading International Inc. Class B 1,884 27 Skyline Champion Corp. 789,433 5 Snail Inc. Class A 11,787 14 Penn Entertainment Inc. 2,244,343 5 *1 Asset Entities Inc. Class B 9,300 6 American Eagle Outfitters Inc. 2,741,648 5 *1 Treasure Global Inc. 3,471 3 AutoNation Inc. 383,667 4 *1 Treasure Global Inc. 12,230 1 Grand Canyon Education Inc. 428,738 5 *1 Treasure Global Inc. 12,230 1 Grand Canyon Education Inc. 428,738 5 *1 Treasure Global Inc. 12,230 1 Grand Canyon Education Inc. 428,738 5 *0 Storestionary (11.4%) 13,772,678 Advance Auto Parts Inc. 882,456 5 *1 Deckers Outdoor Corp. 378,781 253,189 Tir Pointe Homes Inc. 1,446,096 5 *1 Rivian Automotive Inc. 1384,331 5 5,662,373 <td></td> <td>,</td> <td></td> <td></td> <td></td> <td></td> <td>62,478</td> | | , | | | | | 62,478 |
| Reading International Inc. Class B 1,884 27 Skyline Champion Corp. 789,433 5 Snail Inc. Class A 11,787 14 Penn Entertainment Inc. 2,244,343 5 * Asset Entities Inc. Class B 9,300 6 American Eagle Outfitters Inc. 2,741,648 5 Moving Image Technologies Inc. 3,471 3 AutoNation Inc. 2,843,78 5 * Treasure Global Inc. 12,230 1 Grand Canyon Education Inc. 428,73 5 Grom Social Enterprises Inc. 177 — M/I Homes Inc. 409,098 5 DoorDash Inc. Class A 4,492,508 444,264 Leggett & Platt Inc. 1,972,195 5 Dockers Outdoor Corp. 378,781 253,189 Tir Pointe Homes Inc. 1,446,096 5 * 1 Rivian Automotive Inc. Class A 9,986,141 243,275 Newell Brands Inc. 5,662,373 4 * Williams-Sonoma Inc. 949,317 191,553 Mobileye Global Inc. Class A 1,129,534 4 Five Below Inc. 824,520 175,755 Weendy's Co. 2,468,306 4 * Floor & Decor Holdings Inc. Cl | | | | * | | | 60,006 |
| * Snail Inc. Class A 11,787 14 Penn Entertainment Inc. 2,244,343 E * Asset Entities Inc. Class B 9,300 6 American Eagle Outfitters Inc. 2,741,648 E Moving Image Technologies Inc. 3,471 3 AutoNation Inc. 383,667 E * I Treasure Global Inc. 12,230 1 Grand Canyon Education Inc. 428,738 E Grom Social Enterprises Inc. 177 — M/I Homes Inc. 409,098 E DoorDash Inc. Class A 4,492,508 444,264 Leggett & Platt Inc. 1,972,195 E Deckers Outdoor Corp. 378,781 253,189 Tri Pointe Homes Inc. 1,446,096 E * I Rivian Automotive Inc. Class A 6,895,476 243,066 Adient plc 1,384,331 E * I Rivian Automotive Inc. 9986,141 234,275 Newell Brands Inc. 5,662,373 Adient plc 1,129,534 4 * Five Below Inc. 824,520 175,755 Mobileye Global Inc. Class A 1,29,534 4 * Five Below Inc. 1,577,744 162,176 Kohl's Corp. 2,486,306 4 | | | | * | | | 58,623 |
| Moving Image Technologies Inc. 3,471 3 AutoNation Inc. 2,44,046 2,44,046 *.1 Treasure Global Inc. 12,230 1 Grand Canyon Education Inc. 428,738 428,738 Grom Social Enterprises Inc. 177 — M/I Homes Inc. 409,098 5 Obsort Dash Inc. Class A 4,492,508 444,264 Leggett & Platt Inc. 882,456 5 DoorDash Inc. Class A 4,492,508 444,264 Leggett & Platt Inc. 1,972,195 5 * Deckers Outdoor Corp. 378,781 253,189 Tri Pointe Homes Inc. 1,446,096 5 * DraftKings Inc. Class A 6,895,476 243,066 Adient plc 1,384,331 5 * Initiation Stores Inc. 949,317 191,553 Mobileye Global Inc. Class A 1,129,534 4 * Burlington Stores Inc. 959,370 186,578 MDC Holdings Inc. 844,676 4 * Five Below Inc. 824,520 175,755 Wendy's Co. 2,468,306 4 * Floor & Decor Holdings Inc. 1,577,744 162,176 Kohl's Corp. 1,632,751 4 * TopBuild Corp. <td></td> <td></td> <td></td> <td>*</td> <td></td> <td></td> <td>58,398</td> | | | | * | | | 58,398 |
| ***1 Treasure Global Inc. 12,230 1 Grand Canyon Education Inc. 428,738 4 Grom Social Enterprises Inc. 177 — M/I Homes Inc. 409,098 5 Consumer Discretionary (11.4%) 3,972,678 Advance Auto Parts Inc. 882,456 5 * DoorDash Inc. Class A 4,492,508 444,264 Leggett & Platt Inc. 1,972,195 5 * Deckers Outdoor Corp. 378,781 253,189 Tri Pointe Homes Inc. 1,446,096 5 * DraftKings Inc. Class A 6,895,476 243,066 Adient plc 1,384,331 5 * I Rivian Automotive Inc. Class A 9,986,141 234,275 Newell Brands Inc. 5,662,373 4 * Burlington Stores Inc. 959,370 186,578 MDC Holdings Inc. 874,676 4 * Floor & Decor Holdings Inc. Class A 1,573,492 175,755 Wendy's Co. 2,468,306 4 * Floor & Decor Holdings Inc. 1,577,744 162,176 Kohl's Corp. 1,632,751 4 * TopBuild Corp. 468,522 175,349 LCI Industries 373,865 4 * TopBuild Corp. | Absol Entities inc. Oldss D | | | | | | 58,013 |
| Grom Social Enterprises Inc. 177 | | | | * | | | 57,619 |
| 3,972,678 Advance Auto Parts Inc. 882,456 8 Consumer Discretionary (11.4%) | | | 1 | * | | | 56,611 |
| Consumer Discretionary (11.4%) Visteon Corp. 413,748 E DoorDash Inc. Class A 4,492,508 444,264 Leggett & Platt Inc. 1,972,195 5 Deckers Outdoor Corp. 378,781 253,189 Tri Pointe Homes Inc. 1,446,096 5 DraftKings Inc. Class A 6,895,476 243,066 Adient plc 1,384,331 5 '' Rivian Automotive Inc. Class A 9,986,141 234,275 Newell Brands Inc. 5,662,373 4 Williams-Sonoma Inc. 949,317 191,553 Mobileye Global Inc. Class A 1,129,534 4 Burlington Stores Inc. 959,370 186,578 MDC Holdings Inc. 874,676 4 Five Below Inc. 824,520 175,755 Wendy's Co. 2,468,306 4 Floor & Decor Holdings Inc. Class A 1,573,492 175,539 1 Lucid Group Inc. 11,370,073 4 TopBuild Corp. 468,522 175,349 LC1 Industries 373,865 4 Toll Brothers Inc. 1,577,744 162,176 Kohl's Corp. 1,632,751 | Grom Social Enterprises Inc. | 1// - | | | | | 56,349 |
| DorDash Inc. Class A 4,492,508 444,264 Leggett & Platt Inc. 1,972,195 5 Deckers Outdoor Corp. 378,781 253,189 Tri Pointe Homes Inc. 1,446,096 5 DraftKings Inc. Class A 6,895,476 243,066 Adient plc 1,384,331 5 *.1 Rivian Automotive Inc. Class A 9,986,141 234,275 Newell Brands Inc. 5,662,373 4 Williams-Sonoma Inc. 949,317 191,553 Mobileye Global Inc. Class A 1,129,534 4 Burlington Stores Inc. 959,370 186,578 MDC Holdings Inc. 874,676 4 Five Below Inc. 824,520 175,755 Wendy's Co. 2,468,306 4 Floor & Decor Holdings Inc. Class A 1,573,492 175,539 1 Lucid Group Inc. 11,370,073 4 TopBuild Corp. 468,522 175,349 LCI Industries 373,865 4 Toll Brothers Inc. 1,577,744 162,176 Kohl's Corp. 1,632,751 4 | | | 3,972,678 | * | | | 53,856 51,677 |
| Deckers Outdoor Corp. 378,781 253,189 Tri Pointe Homes Inc. 1,446,096 5 DraftKings Inc. Class A 6,895,476 243,066 Adient plc 1,384,331 5 11 Rivian Automotive Inc. Class A 9,986,141 234,275 Newell Brands Inc. 5,662,373 4 12 Williams-Sonoma Inc. 949,317 191,553 Mobileye Global Inc. Class A 1,129,534 4 Burlington Stores Inc. 959,370 186,578 MDC Holdings Inc. 874,676 4 Five Below Inc. 824,520 175,755 Wendy's Co. 2,468,306 4 Floor & Decor Holdings Inc. 468,522 175,339 1 Lucid Group Inc. 11,370,073 4 TopBuild Corp. 468,522 175,349 LCl Industries 373,865 4 Toll Brothers Inc. 1,577,744 162,176 Kohl's Corp. 1,632,751 4 | | 4 400 500 | 444.004 | | | | 51,677 |
| DraftKings Inc. Class A 6,895,476 243,066 Adient plc 1,384,331 5 *1 Rivian Automotive Inc. Class A 9,986,141 234,275 Newell Brands Inc. 5,662,373 4 *1 Rivian Automotive Inc. Class A 9,986,141 234,275 Newell Brands Inc. 5,662,373 4 *1 Burlington Stores Inc. 949,317 191,553 Mobileye Global Inc. Class A 1,129,534 4 *1 Burlington Stores Inc. 959,370 186,578 MDC Holdings Inc. 874,676 4 *1 Five Below Inc. 824,520 175,755 Wendy's Co. 2,468,306 4 * Floor & Decor Holdings Inc. Class A 1,573,492 175,539 1 Lucid Group Inc. 11,370,073 4 * TopBuild Corp. 468,522 175,349 LCI Industries 373,865 4 Toll Brothers Inc. 1,577,744 162,176 Kohl's Corp. 1,632,751 4 | | | | * | | | 51,012 |
| **1 Rivian Automotive Inc. Class A 9,986,141 234,275 Newell Brands Inc. 5,662,373 4 **1 Rivian Automotive Inc. Class A 9,986,141 234,275 Newell Brands Inc. 5,662,373 4 Williams-Sonoma Inc. 949,317 191,553 Mobileye Global Inc. Class A 1,129,534 4 * Burlington Stores Inc. 959,370 186,578 MDC Holdings Inc. 874,676 4 * Five Below Inc. 824,520 175,755 Wendy's Co. 2,468,306 4 * Floor & Decor Holdings Inc. Class A 1,573,492 175,539 *1 Lucid Group Inc. 11,370,073 4 * TopBuild Corp. 468,522 175,349 LCI Industries 373,865 4 Toll Brothers Inc. 1,577,744 162,176 Kohl's Corp. 1,632,751 4 | | | | * | | | 50,334 |
| Williams-Sonoma Inc. 949,317 191,553 Mobileye Global Inc. Class A 1,129,534 4 Burlington Stores Inc. 959,370 186,578 MDC Holdings Inc. 874,676 4 Five Below Inc. 824,520 175,755 Wendy's Co. 2,468,306 4 Floor & Decor Holdings Inc. Class A 1,573,492 175,539 Lucid Group Inc. 11,370,073 4 TopBuild Corp. 468,522 175,349 LCl Industries 373,865 4 Toll Brothers Inc. 1,577,744 162,176 Kohl's Corp. 2,090,000 2,090,000 2,090,000 | | | | | • | | 49,149 |
| Burlington Stores Inc. 959,370 186,578 MDC Holdings Inc. 874,676 4 Five Below Inc. 824,520 175,755 Wendy's Co. 2,468,306 4 Floor & Decor Holdings Inc. Class A 1,573,492 175,539 Lucid Group Inc. 11,370,073 4 TopBuild Corp. 468,522 175,349 LCI Industries 373,865 4 Toll Brothers Inc. 1,577,744 162,176 Kohl's Corp. 1,632,751 4 | | | | * | Mobileye Global Inc. Class A | 1,129,534 | 48,931 |
| Five Below Inc. 824,520 175,755 Wendy's Co. 2,468,306 4 Floor & Decor Holdings Inc. Class A 1,573,492 175,539 Lucid Group Inc. 11,370,073 4 TopBuild Corp. 468,522 175,349 LCI Industries 373,865 4 Toll Brothers Inc. 1,577,744 162,176 Kohl's Corp. 1,632,751 4 | | | | | - | | 48,326 |
| Floor & Decor Holdings Inc. Class A 1,5/3,492 1/5,539 Each Gloup Inc. 11,0/0,0/0 * TopBuild Corp. 468,522 175,349 LCI Industries 373,865 4 Toll Brothers Inc. 1,577,744 162,176 Kohl's Corp. 1,622,751 4 | - | 824,520 | | * 1 | | | 48,083 |
| Toll Brothers Inc. 1,577,744 162,176 Kohl's Corp. 1,632,751 4 | | | | <i>.</i> , | Edela Group Inc. | | 47,868 |
| | | | | | | | 46,999 46,827 |
| Service Corp. International 2, 182,596 149,399 Follow Atomotive Group Inc. 200,000 4 | | | | | • | | 46,228 |
| | Service Corp. International | 2,182,596 | 149,399 | | | 200,000 | .0,220 |

| | | | Market Value• | | | | Market Value• |
|-----|---|------------------------|------------------|----------|---|------------------------|------------------|
| | | Shares | (\$000) | | | Shares | (\$000) |
| * | Modine Manufacturing Co. | 772,520 | 46,119 | * | Chegg Inc. | 1,708,448 | 19,408 |
| | Kontoor Brands Inc. Steven Madden Ltd. | 735,792 1,030,844 | 45,928 43,295 | * | Green Brick Partners Inc. Udemy Inc. | 372,277 1,307,069 | 19,336 19,253 |
| * | Helen of Troy Ltd. | 351,427 | 43,295 42,456 | * | Leslie's Inc. | 2,727,675 | 19,255 |
| * | Fox Factory Holding Corp. | 627,756 | 42,361 | 1 | Krispy Kreme Inc. | 1,243,210 | 18,760 |
| * | Hilton Grand Vacations Inc. | 1,047,735 | 42,098 | * | Beyond Inc. | 669,076 | 18,527 |
| | Travel + Leisure Co. | 1,064,288 | 41,603 | * | OneSpaWorld Holdings Ltd. | 1,305,124 | 18,402 |
| 1 | Choice Hotels International Inc. | 366,457 | 41,520 | * | Rover Group Inc. Class A | 1,624,012 | 17,669 |
| | Marriott Vacations Worldwide Corp. | 486,902 | 41,333 | | Winmark Corp. | 41,730 | 17,424 |
| * | Carter's Inc. Frontdoor Inc. | 550,279 1,168,062 | 41,210 41,139 | * | Perdoceo Education Corp. XPEL Inc. | 969,831 | 17,030 16,950 |
| * | Shake Shack Inc. Class A | 552,298 | 40,936 | * | Malibu Boats Inc. Class A | 314,764 309,016 | 16,950 |
| | Columbia Sportswear Co. | 509,321 | 40,511 | | Camping World Holdings Inc. Class A | 631,583 | 16,585 |
| * | LGI Homes Inc. | 301,687 | 40,173 | * | iRobot Corp. | 408,896 | 15,824 |
| * | Cavco Industries Inc. | 113,899 | 39,480 | * | Warby Parker Inc. Class A | 1,112,268 | 15,683 |
| | Red Rock Resorts Inc. Class A | 718,863 | 38,337 | | Caleres Inc. | 503,858 | 15,484 |
| | Century Communities Inc. | 416,087 | 37,922 | * | American Axle & Manufacturing Holdings Inc. | 1,751,910 | 15,434 |
| | Foot Locker Inc. | 1,208,782 | 37,654 | * | Sweetgreen Inc. Class A | 1,352,840 | 15,287 |
| | Papa John's International Inc. | 482,646 | 36,792 | * | Beazer Homes USA Inc. | 440,694 | 14,891 |
| | Graham Holdings Co. Class B Bloomin' Brands Inc. | 52,532 1,277,646 | 36,590 35,966 | * | Everi Holdings Inc. Under Armour Inc. Class A | 1,315,259 1,647,437 | 14,823 14,481 |
| *,1 | QuantumScape Corp. Class A | 5,136,692 | 35,300 | * | Playa Hotels & Resorts NV | 1,665,563 | 14,407 |
| * | Dorman Products Inc. | 419,018 | 34,950 | * | Chico's FAS Inc. | 1,849,925 | 14,022 |
| * | Stride Inc. | 583,600 | 34,648 | | Hibbett Inc. | 190,379 | 13,711 |
| * | Chewy Inc. Class A | 1,461,081 | 34,525 | | Monarch Casino & Resort Inc. | 197,461 | 13,654 |
| * | Adtalem Global Education Inc. | 584,970 | 34,484 | | Monro Inc. | 460,411 | 13,508 |
| * | Boot Barn Holdings Inc. | 445,782 | 34,218 | *,1 | Luminar Technologies Inc. Class A | 3,997,457 | 13,471 |
| ÷ | Under Armour Inc. Class C | 4,093,850 | 34,184 | | Life Time Group Holdings Inc. | 862,743 | 13,010 |
| | Sonos Inc. | 1,895,005 | 32,480 | * | Golden Entertainment Inc. | 324,302 | 12,949 |
| * | Winnebago Industries Inc. Peloton Interactive Inc. Class A | 440,789 5,049,249 | 32,125 30,750 | * | Figs Inc. Class A BJ's Restaurants Inc. | 1,833,636 351,783 | 12,744 12,668 |
| | Patrick Industries Inc. | 305,472 | 30,654 | | Sturm Ruger & Co. Inc. | 267,250 | 12,008 |
| * | Coursera Inc. | 1,579,280 | 30,591 | | Sonic Automotive Inc. Class A | 215,623 | 12,120 |
| * | Victoria's Secret & Co. | 1,149,363 | 30,504 | * | Dream Finders Homes Inc. Class A | 340,385 | 12,094 |
| * | Topgolf Callaway Brands Corp. | 2,124,130 | 30,460 | | Dine Brands Global Inc. | 235,085 | 11,672 |
| | Strategic Education Inc. | 322,886 | 29,825 | * | MarineMax Inc. | 297,024 | 11,554 |
| * | Urban Outfitters Inc. | 831,849 | 29,689 | *,1 * | Mister Car Wash Inc. | 1,337,004 | 11,552 |
| * | Acushnet Holdings Corp. | 447,457 | 28,266 | * | Vizio Holding Corp. Class A | 1,490,178 | 11,474 |
| * | Brinker International Inc. ODP Corp. | 651,348 494,662 | 28,125 27,850 | | Portillo's Inc. Class A Standard Motor Products Inc. | 707,317 282,463 | 11,268 11,245 |
| * | SeaWorld Entertainment Inc. | 525,749 | 27,850 | * | Hovnanian Enterprises Inc. Class A | 71,359 | 11,105 |
| | Dana Inc. | 1,889,941 | 27,612 | | Ethan Allen Interiors Inc. | 342,934 | 10,946 |
| * | Dave & Buster's Entertainment Inc. | 506,494 | 27,275 | | Wolverine World Wide Inc. | 1,199,867 | 10,667 |
| | Laureate Education Inc. | 1,979,083 | 27,133 | * | Chuy's Holdings Inc. | 274,302 | 10,487 |
| * | Six Flags Entertainment Corp. | 1,059,035 | 26,561 | * | WW International Inc. | 1,180,251 | 10,327 |
| 1 | Nordstrom Inc. | 1,426,331 | 26,316 | * | Bluegreen Vacations Holding Corp. Class A | 135,600 | 10,186 |
| * | Worthington Enterprises Inc. | 447,364 | 25,746 | | Revolve Group Inc. Class A Smith & Wesson Brands Inc. | 610,070 | 10,115 |
| * | Gentherm Inc. Vista Outdoor Inc. | 488,219 853,192 | 25,563 25,229 | *,1 | Cava Group Inc. | 708,124 221,082 | 9,602 9,502 |
| * | Sabre Corp. | 5,723,657 | 25,225 | | Arko Corp. | 1,145,157 | 9,302 9,448 |
| | Cracker Barrel Old Country Store Inc. | 326,145 | 25,139 | | Guess? Inc. | 402,541 | 9,283 |
| *,1 | Dutch Bros Inc. Class A | 788,041 | 24,957 | * | Accel Entertainment Inc. Class A | 896,710 | 9,209 |
| | Levi Strauss & Co. Class A | 1,477,518 | 24,438 | | RCI Hospitality Holdings Inc. | 130,428 | 8,642 |
| | Cheesecake Factory Inc. | 696,650 | 24,390 | * | Stoneridge Inc. | 438,684 | 8,585 |
| J | Jack in the Box Inc. | 298,758 | 24,388 | , | Shoe Carnival Inc. | 274,604 | 8,296 |
| * | National Vision Holdings Inc. | 1,155,304 | 24,181 | * | Denny's Corp. | 749,374 | 8,153 |
| * | La-Z-Boy Inc. | 641,036 | 23,667 | *,1 | Bowlero Corp. Class A | 554,798 | 7,856 |
| | Hanesbrands Inc. ADT Inc. | 5,258,773 3,348,445 | 23,454 22,836 | * | Haverty Furniture Cos. Inc. European Wax Center Inc. Class A | 212,934 551,951 | 7,559 7,501 |
| | Upbound Group Inc. | 3,348,445 668,790 | 22,836 22,719 | * | First Watch Restaurant Group Inc. | 361,527 | 7,501 |
| | Oxford Industries Inc. | 218,567 | 21,857 | * | Arhaus Inc. Class A | 608,252 | 7,207 |
| | Phinia Inc. | 701,645 | 21,253 | * | America's Car-Mart Inc. | 91,019 | 6,897 |
| * | Sally Beauty Holdings Inc. | 1,594,946 | 21,181 | | Movado Group Inc. | 226,023 | 6,815 |
| | Buckle Inc. | 435,235 | 20,682 | * | GoPro Inc. Class A | 1,958,478 | 6,796 |
| 1 | Dillard's Inc. Class A | 50,301 | 20,304 | * | Kura Sushi USA Inc. Class A | 81,729 | 6,211 |
| * | G-III Apparel Group Ltd. | 595,922 | 20,249 | * | Universal Technical Institute Inc. | 492,277 | 6,163 |
| | Garrett Motion Inc. | 2,072,205 | 20,038 | | Lindblad Expeditions Holdings Inc. | 538,446 | 6,068 |

| | | | Market Value• | | | | Market Value• |
|----------|--|----------------------|------------------|------------|--|----------------------|------------------|
| | | Shares | (\$000) | | | Shares | (\$000) |
| * | Bally's Corp. | 430,091 | 5,996 | * | GrowGeneration Corp. | 858,179 | 2,154 |
| *,1 | Lovesac Co. Savers Value Village Inc. | 229,651 322,144 | 5,868 5,599 | * | ONE Group Hospitality Inc. Legacy Housing Corp. | 350,236 81,971 | 2,143 2,067 |
| * | OneWater Marine Inc. Class A | 164,772 | 5,599 | | Bassett Furniture Industries Inc. | 124,057 | 2,067 |
| | Designer Brands Inc. Class A | 621,882 | 5,504 | 1 | Big 5 Sporting Goods Corp. | 317,636 | 2,014 |
| | Carriage Services Inc. Class A | 218,415 | 5,463 | | Superior Group of Cos. Inc. | 143,354 | 1,935 |
| *,1 | Aaron's Co. Inc. | 498,750 | 5,426 | *,1 * | Snap One Holdings Corp. | 215,400 | 1,919 |
| , ' | EVgo Inc. Class A Johnson Outdoors Inc. Class A | 1,493,192 99,625 | 5,346 5,322 | | Century Casinos Inc. Marine Products Corp. | 390,057 165,436 | 1,904 1,886 |
| * | Genesco Inc. | 150,302 | 5,292 | * | J. Jill Inc. | 71,057 | 1,832 |
| * | MasterCraft Boat Holdings Inc. | 228,317 | 5,169 | *,1 | Canoo Inc. | 7,109,196 | 1,829 |
| *,1 | Fisker Inc. Class A | 2,866,131 | 5,016 | | Cato Corp. Class A | 255,761 | 1,826 |
| * | Stitch Fix Inc. Class A | 1,401,408 | 5,003 | | Hamilton Beach Brands Holding Co. Class A | 103,284 | 1,806 |
| *,1 | Cooper-Standard Holdings Inc. | 253,931 | 4,962 | *,1 * | ContextLogic Inc. Class A | 289,243 | 1,721 |
| * | Atmus Filtration Technologies Inc. Zumiez Inc. | 209,008 241,264 | 4,910 4,907 | * | Universal Electronics Inc. Noodles & Co. Class A | 180,911 539,074 | 1,699 1,698 |
| *,1 | Global Business Travel Group I | 753,364 | 4,907 4,859 | * | Allbirds Inc. Class A | 1,381,393 | 1,698 |
| * | Sleep Number Corp. | 324,970 | 4,819 | *,1 | Allurion Technologies Inc. | 450,926 | 1,686 |
| * | Xponential Fitness Inc. Class A | 370,387 | 4,774 | * | Lands' End Inc. | 174,736 | 1,671 |
| 1 | Cricut Inc. Class A | 720,625 | 4,749 | * | LL Flooring Holdings Inc. | 426,076 | 1,662 |
| * | PlayAGS Inc. | 556,416 | 4,691 | | American Outdoor Brands Inc. | 197,675 | 1,661 |
| * | Build-A-Bear Workshop Inc. | 196,906 | 4,527 | *,1 * | Mondee Holdings Inc. Class A | 562,071 | 1,551 |
| * | 1-800-Flowers.com Inc. Class A Qurate Retail Inc. Class A | 412,357 5,071,828 | 4,445 4,440 | * | Latham Group Inc. Duluth Holdings Inc. Class B | 578,638 270,154 | 1,522 1,453 |
| | Hooker Furnishings Corp. | 168,196 | 4,387 | * | 2U Inc. | 1,154,288 | 1,420 |
| *,1 | Soho House & Co. Inc. Class A | 606,096 | 4,315 | * | Unifi Inc. | 211,362 | 1,408 |
| * | Children's Place Inc. | 183,786 | 4,268 | *,1 | RumbleON Inc. Class B | 171,283 | 1,394 |
| * | Rush Street Interactive Inc. | 928,859 | 4,171 | * | Strattec Security Corp. | 55,293 | 1,388 |
| * | Carrols Restaurant Group Inc. | 518,311 | 4,084 | * | 1stdibs.com Inc. | 293,042 | 1,371 |
| * | Funko Inc. Class A | 520,314 | 4,022 | *,1 *,1 | Tupperware Brands Corp. | 650,628 | 1,301 |
| * | Lincoln Educational Services Corp. Petco Health & Wellness Co. Inc. Class A | 392,567 1,228,787 | 3,941 3,883 | * | Lazydays Holdings Inc. BARK Inc. | 180,535 1,410,207 | 1,273 1,136 |
| *,1 | Target Hospitality Corp. | 397,114 | 3,864 | * | Container Store Group Inc. | 488,250 | 1,130 |
| * | Inspired Entertainment Inc. | 390,783 | 3,861 | *,1 | United Homes Group Inc. | 129,310 | 1,090 |
| * | El Pollo Loco Holdings Inc. | 436,875 | 3,853 | * | Biglari Holdings Inc. Class A | 1,351 | 1,073 |
| * | JAKKS Pacific Inc. | 107,924 | 3,837 | * | Biglari Holdings Inc. Class B | 6,493 | 1,071 |
| *,1 | Groupon Inc. Class A | 296,929 | 3,813 | * 1 | Lifetime Brands Inc. Vroom Inc. | 159,241 | 1,069 |
| * | Holley Inc. Potbelly Corp. | 744,597 346,592 | 3,626 3,612 | * | Vroom Inc. Superior Industries International Inc. | 1,754,946 325,372 | 1,057 1,041 |
| * | Citi Trends Inc. | 125,362 | 3,545 | | Flexsteel Industries Inc. | 54,815 | 1,041 |
| * | Destination XL Group Inc. | 784,133 | 3,450 | * | Fossil Group Inc. | 651,683 | 951 |
| * | Tile Shop Holdings Inc. | 430,452 | 3,168 | *,1 | Mullen Automotive Inc. | 65,721 | 939 |
| * | Nerdy Inc. | 918,844 | 3,152 | * | GAN Ltd. | 585,494 | 925 |
| 1 | Nathan's Famous Inc. | 40,172 | 3,134 | *,1 | Workhoroo Group ino. | 2,567,654 | 924 |
| | Big Lots Inc. Rocky Brands Inc. | 400,772 | 3,122 | 1 | Crown Crafts Inc. Purple Innovation Inc. Class A | 184,550 873,128 | 915 899 |
| * | Red Robin Gourmet Burgers Inc. | 103,347 236,833 | 3,119 2,953 | * | Conn's Inc. | 197,329 | 899 876 |
| * | Vera Bradley Inc. | 363,887 | 2,802 | *,1 | Torrid Holdings Inc. | 149,601 | 863 |
| | Clarus Corp. | 403,456 | 2,782 | * | Culp Inc. | 147,833 | 856 |
| *,1 | RealReal Inc. | 1,384,079 | 2,782 | *,1 | PLBY Group Inc. | 781,211 | 781 |
| | Weyco Group Inc. | 88,333 | 2,770 | * | Barnes & Noble Education Inc. | 513,514 | 765 |
| * | American Public Education Inc. | 285,113 | 2,751 | * | Delta Apparel Inc. | 85,609 | 610 |
| * | AMMO Inc. Traeger Inc. | 1,264,210 948,235 | 2,655 2,589 | | Brilliant Earth Group Inc. Class A | 149,812 38,656 | 557 547 |
| | Escalade Inc. | 948,235 127,326 | 2,589 2,558 | *,1 | Ark Restaurants Corp. Kirkland's Inc. | 38,656 180,002 | 547 544 |
| * | Motorcar Parts of America Inc. | 273,322 | 2,553 | *,1 | Grove Collaborative Holdings | 307,237 | 544 |
| * | ThredUp Inc. Class A | 1,123,178 | 2,527 | * | Live Ventures Inc. | 20,027 | 509 |
| * | Tilly's Inc. Class A | 332,060 | 2,504 | *,1 | Express Inc. | 58,459 | 489 |
| * | Full House Resorts Inc. | 464,696 | 2,495 | *,1 | Vacasa Inc. Class A | 52,158 | 428 |
| * *,1 | Solo Brands Inc. Class A | 399,133 | 2,459 | *,1 | Sonder Holdings Inc. | 125,512 | 426 |
| , i * | Solid Power Inc. | 1,690,601 | 2,451 | | Canterbury Park Holding Corp. | 20,349 | 416 |
| * | CarParts.com Inc. Landsea Homes Corp. | 748,942 179,360 | 2,367 2,357 | * | AMCON Distributing Co. Rave Restaurant Group Inc. | 2,117 176,306 | 413 393 |
| | PetMed Express Inc. | 308,394 | 2,337 | *,1 | Sypris Solutions Inc. | 191,121 | 386 |
| * | Sportsman's Warehouse Holdings Inc. | 542,914 | 2,313 | * | Envela Corp. | 79,294 | 385 |
| * | VOXX International Corp. Class A | 215,211 | 2,298 | * | Koss Corp. | 109,767 | 368 |
| | Lakeland Industries Inc. | 119,183 | 2,210 | *,1 | Polished.com Inc. | 58,865 | 355 |

| | | | Market | | | | Market |
|----------|---|------------------------|--------------------|-----|---|----------------------|-------------------|
| | | Shares | Value• (\$000) | | | Shares | Value* (\$000) |
| *,1 | Aterian Inc. | 996,489 | 347 | * | Post Holdings Inc. | 750,787 | 66,114 |
| * *,1 | BowFlex Inc. | 434,844 | 335 | | Flowers Foods Inc. | 2,835,055 | 63,817 |
| * | Rent the Runway Inc. Class A | 624,498 | 329 | * | Coca-Cola Consolidated Inc. | 68,497 | 63,593 |
| *,1 | Yunhong Green CTI Ltd. Beachbody Co. Inc. | 121,102 30,986 | 257 257 | * | Freshpet Inc. Simply Good Foods Co. | 714,684 1,357,099 | 62,006 53,741 |
| * | Nephros Inc. | 69,205 | 237 | | Lancaster Colony Corp. | 300,077 | 49,930 |
| * | Regis Corp. | 23,958 | 226 | * | Boston Beer Co. Inc. Class A | 139,768 | 48,302 |
| | Flanigan's Enterprises Inc. | 8,548 | 220 | | WD-40 Co. | 197,462 | 47,207 |
| *,1 | Worksport Ltd. | 145,891 | 217 | | Spectrum Brands Holdings Inc. | 526,819 | 42,024 |
| 1 | FAT Brands Inc. Class A | 34,854 | 211 | * | Grocery Outlet Holding Corp. | 1,460,119 | 39,365 |
| *,1 * | Lulu's Fashion Lounge Holdings Inc. | 108,289 | 201 | | Inter Parfums Inc. | 264,589 | 38,103 |
| * | GEN Restaurant Group Inc. Class A Envirotech Vehicles Inc. | 25,196 | 197 191 | | J & J Snack Foods Corp. | 225,529 | 37,695 |
| * | Charles & Colvard Ltd. | 144,960 444,108 | 191 | | Cal-Maine Foods Inc. Energizer Holdings Inc. | 599,920 978,745 | 34,429 31,007 |
| * | Good Times Restaurants Inc. | 66,131 | 162 | * | TreeHouse Foods Inc. | 744,118 | 30,844 |
| * | Vince Holding Corp. | 45,422 | 157 | | PriceSmart Inc. | 373,606 | 28,312 |
| * | Wag! Group Co. | 88,471 | 157 | | Edgewell Personal Care Co. | 756,264 | 27,702 |
| * | Xcel Brands Inc. | 113,190 | 146 | | Andersons Inc. | 465,821 | 26,803 |
| * | BurgerFi International Inc. | 167,859 | 144 | | Universal Corp. | 371,848 | 25,033 |
| *,1 | Hall of Fame Resort & Entertainment Co. | 43,744 | 142 | * | MGP Ingredients Inc. | 227,758 | 22,439 |
| | Dixie Group Inc. | 188,725 | 141 | * | Herbalife Ltd. | 1,468,812 | 22,414 |
| * | XWELL Inc. | 74,690 | 128 | | Vector Group Ltd. | 1,976,919 | 22,300 |
| *,1 | Jerash Holdings US Inc. | 38,272 | 118 | * | Reynolds Consumer Products Inc. | 809,224 | 21,720 |
| * | Amesite Inc. Twin Vee PowerCats Co. | 43,962 | 100 84 | * | Central Garden & Pet Co. Class A Sovos Brands Inc. | 477,896 | 21,047 |
| *,1 | AYRO Inc. | 60,192 44,007 | 84 77 | | Ingles Markets Inc. Class A | 906,545 212,582 | 19,971 18,361 |
| *,1 | Educational Development Corp. | 64,779 | 75 | * | National Beverage Corp. | 351,606 | 17,482 |
| *,1 | Tandy Leather Factory Inc. | 17,293 | 74 | | Utz Brands Inc. | 1,006,389 | 16,344 |
| * | Forward Industries Inc. | 101,271 | 73 | * | Pilgrim's Pride Corp. | 588,305 | 16,272 |
| *,1 | Inspirato Inc. | 19,707 | 73 | | Weis Markets Inc. | 245,216 | 15,684 |
| *,1 | JOANN Inc. | 158,520 | 71 | * | Chefs' Warehouse Inc. | 523,151 | 15,396 |
| * | Allied Gaming & Entertainment Inc. | 61,060 | 65 | * | Hain Celestial Group Inc. | 1,324,343 | 14,502 |
| *,1 | Faraday Future Intelligent Electric Inc. Class A | 209,789 | 48 | * | Nu Skin Enterprises Inc. Class A | 741,055 | 14,391 |
| *,1 * | aka Brands Holding Corp. | 5,698 | 46 | | United Natural Foods Inc. | 873,444 | 14,176 |
| * | Kaival Brands Innovations Group Inc. | 155,259 | 31 30 | | John B Sanfilippo & Son Inc. Seaboard Corp. | 131,652 | 13,565 |
| *,1 | Nova Lifestyle Inc. Toughbuilt Industries Inc. | 8,036 183,720 | 30 29 | 1 | B&G Foods Inc. | 3,763 1,265,189 | 13,434 13,284 |
| * | Emerson Radio Corp. | 47,444 | 25 | | WK Kellogg Co. | 984,253 | 12,933 |
| | FAT Brands Inc. Class B | 4,338 | 24 | | Fresh Del Monte Produce Inc. | 490,019 | 12,863 |
| *,1 | Arcimoto Inc. | 24,956 | 21 | * | Central Garden & Pet Co. | 251,639 | 12,610 |
| *,1 | Forza X1 Inc. | 33,785 | 18 | | SpartanNash Co. | 501,383 | 11,507 |
| *,1 | MGO Global Inc. | 38,582 | 16 | * | Vita Coco Co. Inc. | 447,761 | 11,485 |
| *,1 | Digital Brands Group Inc. | 3,261 | 11 | | Medifast Inc. | 161,714 | 10,870 |
| *,1 * | Lottery.com Inc. | 3,740 | 10 | * | Tootsie Roll Industries Inc. | 272,856 | 9,070 |
| * | Greenlane Holdings Inc. Class A | 10,695 | 6 | *,1 | USANA Health Sciences Inc. | 165,260 | 8,858 |
| *,1 | BT Brands Inc. | 1,151 | 3 3 | , ' | Beyond Meat Inc. Calavo Growers Inc. | 956,859 | 8,516 |
| * | Volcon Inc. Amergent Hospitality Group Inc. | 28,054 19,975 | | | Turning Point Brands Inc. | 277,728 271,571 | 8,168 7,148 |
| * | PARTS iD Inc. | 1,100 | _ | * | Mission Produce Inc. | 641,785 | 6,476 |
| * | Singing Machine Co. Inc. | 445 | _ | * | Vital Farms Inc. | 407,616 | 6,395 |
| *,2 | GCI Liberty Inc. | 1,322,036 | _ | * | Duckhorn Portfolio Inc. | 617,984 | 6,087 |
| *,1,2 | ² Empire Resorts Inc. | 15,517 | _ | | Oil-Dri Corp. of America | 71,347 | 4,786 |
| * | Esports Entertainment Group Inc. | 56 | — | *,1 | Westrock Coffee Co. | 463,648 | 4,734 |
| | | - | 11,061,614 | | Limoneira Co. | 217,894 | 4,495 |
| Сог | nsumer Staples (2.8%) | | , | * | Olaplex Holdings Inc. | 1,761,768 | 4,475 |
| * | Performance Food Group Co. | 2,291,360 | 158,448 | | Seneca Foods Corp. Class A | 81,005 | 4,248 |
| * | US Foods Holding Corp. | 3,330,190 | 151,224 | * | Beauty Health Co. | 1,221,391 | 3,799 |
| | Casey's General Stores Inc. | 549,061 | 150,849 | * | Honest Co. Inc. Nature's Sunshine Products Inc. | 948,126 | 3,129 |
| * | Albertsons Cos. Inc. Class A | 5,843,143 | 134,392 | * | HF Foods Group Inc. | 180,589 530,387 | 3,122 2,832 |
| * | BJ's Wholesale Club Holdings Inc. | 1,980,286 | 132,006 | | Village Super Market Inc. Class A | 102,748 | 2,695 |
| * | Celsius Holdings Inc. | 2,197,773 | 119,823 | | Natural Grocers by Vitamin Cottage Inc. | 145,996 | 2,035 |
| * | elf Beauty Inc. | 817,283 | 117,967 117,572 | * | Lifecore Biomedical Inc. | 363,800 | 2,252 |
| * | Darling Ingredients Inc. BellRing Brands Inc. | 2,359,004 1,934,589 | 117,573 107,234 | *,1 | BRC Inc. Class A | 572,284 | 2,077 |
| | Ingredion Inc. | 956,976 | 107,234 | * | Mama's Creations Inc. | 385,609 | 1,893 |
| * | Sprouts Farmers Market Inc. | 1,502,206 | 72,271 | * | Whole Earth Brands Inc. | 532,276 | 1,815 |
| * | Coty Inc. Class A | 5,575,774 | 69,251 | | Alico Inc. | 60,807 | 1,768 |
| | | 0,070,774 | 00,201 | | | | |

| | | | Market | | | | Market |
|------------|--|-------------------------|--------------------|----------|--|----------------------|-------------------|
| | | Shares | Value• (\$000) | | | Shares | Value• (\$000) |
| *,1 | Safety Shot Inc. | 444,257 | 1,559 | | Antero Midstream Corp. | 5,052,973 | 63,314 |
| * | Zevia PBC Class A | 614,323 | 1,235 | | Magnolia Oil & Gas Corp. Class A | 2,729,275 | 58,106 |
| * | Lifevantage Corp. Lifeway Foods Inc. | 195,613 85,576 | 1,174 1,148 | | Helmerich & Payne Inc. California Resources Corp. | 1,464,195 946.368 | 53,033 51,747 |
| * | Farmer Bros Co. | 230,376 | 705 | * | Tidewater Inc. | 715,835 | 51,619 |
| | Natural Health Trends Corp. | 111,509 | 651 | | Patterson-UTI Energy Inc. | 4,705,571 | 50,820 |
| *,1 | Veru Inc. | 844,245 | 608 | | Northern Oil & Gas Inc. | 1,343,815 | 49,815 |
| * | Natural Alternatives International Inc. | 75,454 | 484 | * | CNX Resources Corp. | 2,298,712 | 45,974 |
| * | Rocky Mountain Chocolate Factory Inc. | 97,457 | 447 | * | Kosmos Energy Ltd. | 6,783,272 | 45,516 |
| | Willamette Valley Vineyards Inc. | 72,379 | 384 | | Cactus Inc. Class A | 980,446 | 44,512 |
| *,1 | United-Guardian Inc. Benson Hill Inc. | 52,417 1,779,607 | 377 309 | | CONSOL Energy Inc. Liberty Energy Inc. Class A | 411,207 2,251,603 | 41,339 40,844 |
| * | Seneca Foods Corp. Class B | 5,623 | 287 | | Peabody Energy Corp. | 1,640,716 | 39,902 |
| * | Vintage Wine Estates Inc. | 431,243 | 217 | * | Uranium Energy Corp. | 5,779,830 | 36,991 |
| * | Splash Beverage Group Inc. | 301,169 | 166 | 1 | New Fortress Energy Inc. | 979,034 | 36,939 |
| * | Coffee Holding Co. Inc. | 164,749 | 148 | * | Oceaneering International Inc. | 1,476,772 | 31,426 |
| *,1 | Local Bounti Corp. | 53,924 | 112 | | Archrock Inc. | 2,018,584 | 31,086 |
| * | Real Good Food Co. Inc. Class A | 67,593 | 103 | * | Par Pacific Holdings Inc. | 824,765 | 29,997 |
| ~ * | S&W Seed Co. | 140,870 | 99 | * | Sitio Royalties Corp. Class A | 1,202,273 | 28,265 |
| * | Sadot Group Inc. Barfresh Food Group Inc. | 236,457 58,859 | 95 94 | | Callon Petroleum Co. International Seaways Inc. | 821,996 555,006 | 26,633 25,242 |
| *,1 | Maplebear Inc. | 3,861 | 94 91 | | Delek US Holdings Inc. | 555,006 879,637 | 25,242 22,695 |
| * | Upexi Inc. | 69,076 | 80 | * | Green Plains Inc. | 876,612 | 22,000 |
| *,1 | Guardion Health Sciences Inc. | 14,852 | 78 | | Dorian LPG Ltd. | 500,287 | 21,948 |
| *,1 | Better Choice Co. Inc. | 261,756 | 72 | * | Helix Energy Solutions Group Inc. | 2,069,104 | 21,270 |
| | Mannatech Inc. | 7,557 | 59 | * | Talos Energy Inc. | 1,476,278 | 21,007 |
| *,1 | Bridgford Foods Corp. | 5,031 | 55 | | World Kinect Corp. | 883,139 | 20,118 |
| * | Cyanotech Corp. | 52,822 | 46 | * | Expro Group Holdings NV | 1,261,571 | 20,084 |
| *,1 | Arcadia Biosciences Inc. | 14,038 | 43 | * | Diamond Offshore Drilling Inc. | 1,508,925 | 19,616 |
| , ' *,1 | MedAvail Holdings Inc. | 9,669 | 43 | 1 | Gulfport Energy Corp. | 142,036 | 18,919 |
| *,1 | 22nd Century Group Inc. Maison Solutions Inc. Class A | 209,532 27,800 | 39 38 | * | Crescent Energy Co. Class A Vital Energy Inc. | 1,302,097 366,224 | 17,201 16,660 |
| *,1 | Nocera Inc. | 27,000 | 36 | 1 | Atlas Energy Solutions Inc. Class A | 810,405 | 13,955 |
| *,1 | Nuzee Inc. | 10,423 | 26 | * | US Silica Holdings Inc. | 1,147,048 | 12,973 |
| * | FitLife Brands Inc. | 1,265 | 24 | | CVR Energy Inc. | 425,764 | 12,901 |
| * | Flora Growth Corp. | 16,990 | 23 | | Core Laboratories Inc. | 697,667 | 12,321 |
| *,1 | Alkaline Water Co. Inc. | 82,391 | 22 | * | Dril-Quip Inc. | 524,456 | 12,204 |
| *,1 | Edible Garden AG Inc. | 35,337 | 17 | | Comstock Resources Inc. | 1,340,762 | 11,866 |
| *,1 *,1 | Stryve Foods Inc. Class A | 6,642 | 17 | * | Kinetik Holdings Inc. Class A | 330,458 | 11,037 |
| * | Eastside Distilling Inc. | 8,697 | 11 | * | Nabors Industries Ltd. | 133,913 | 10,931 |
| | Hempacco Co. Inc. | 967 _ | | * | ProPetro Holding Corp. REX American Resources Corp. | 1,275,073 219,988 | 10,685 10,405 |
| - | (4.40()) | | 2,758,372 | *,1 | Centrus Energy Corp. Class A | 190,100 | 10,403 |
| Ene | e rgy (4.4%) Cheniere Energy Inc. | 2 515 505 | 600 122 | * | Bristow Group Inc. Class A | 357,417 | 10,104 |
| | Ovintiv Inc. | 3,515,505 3,738,790 | 600,132 164,208 | * | Clean Energy Fuels Corp. | 2,619,233 | 10,032 |
| | Texas Pacific Land Corp. | 92,120 | 144,854 | | Select Water Solutions Inc. Class A | 1,222,669 | 9,280 |
| | TechnipFMC plc | 6,432,087 | 129,542 | | RPC Inc. | 1,218,528 | 8,871 |
| | HF Sinclair Corp. | 2,316,717 | 128,740 | | Newpark Resources Inc. | 1,192,184 | 7,916 |
| | Chesapeake Energy Corp. | 1,625,084 | 125,034 | | TETRA Technologies Inc. | 1,732,538 | 7,831 |
| | NOV Inc. | 5,820,212 | 118,034 | | Vitesse Energy Inc. VAALCO Energy Inc. | 341,584 1,622,051 | 7,477 7,283 |
| * | Range Resources Corp. | 3,567,579 | 108,597 | | Berry Corp. | 997,885 | 7,015 |
| * | Southwestern Energy Co. | 16,119,439 | 105,582 | * | SilverBow Resources Inc. | 239,935 | 6,977 |
| | Weatherford International plc Chord Energy Corp. | 1,060,511 | 103,750 | *,1 | Tellurian Inc. | 9,000,672 | 6,801 |
| * | Antero Resources Corp. | 603,555 4,184,095 | 100,329 94,895 | | SandRidge Energy Inc. | 494,769 | 6,763 |
| | Matador Resources Co. | 1,639,403 | 93,216 | * | Oil States International Inc. | 974,850 | 6,619 |
| | Murphy Oil Corp. | 2,175,456 | 92,805 | *,1 * | NextDecade Corp. | 1,195,035 | 5,700 |
| | Civitas Resources Inc. | 1,260,167 | 86,170 | * | DMC Global Inc. | 294,190 | 5,537 |
| | ChampionX Corp. | 2,872,089 | 83,894 | | W&T Offshore Inc. | 1,503,507 | 4,901 |
| | Permian Resources Corp. Class A | 6,147,350 | 83,604 | | Kodiak Gas Services Inc. | 236,728 | 4,754 |
| | DT Midstream Inc. | 1,430,739 | 78,404 | * | Overseas Shipholding Group Inc. Class A SEACOR Marine Holdings Inc. | 894,321 370,021 | 4,713 4,659 |
| | Noble Corp. plc | 1,601,645 | 77,135 | | Excelerate Energy Inc. Class A | 288,833 | 4,059 |
| * | PBF Energy Inc. Class A | 1,606,346 | 70,615 | *,1 | Gevo Inc. | 3,824,818 | 4,403 |
| | Transocean Ltd. SM Energy Co. | 10,555,233 1,717,498 | 67,026 66,502 | *,1 | Vertex Energy Inc. | 1,257,698 | 4,264 |
| | Equitrans Midstream Corp. | 6,412,270 | 65,277 | 1 | HighPeak Energy Inc. | 288,949 | 4,115 |
| * | Valaris Ltd. | 924,805 | 63,414 | | Solaris Oilfield Infrastructure Inc. Class A | 464,376 | 3,696 |
| | | | , | | | | |

| | | | Market | | | | Market |
|------------|--|------------------------|--------------------|----------|--|------------------------|--------------------|
| | | Shares | Value• (\$000) | | | Shares | Value* (\$000) |
| * | Hallador Energy Co. | 379,079 | 3,351 | _ | Tradeweb Markets Inc. Class A | 1,677,406 | 152,443 |
| * / | Amplify Energy Corp. | 548,319 | 3,252 | | East West Bancorp Inc. | 2,074,978 | 149,295 |
| ~ | Forum Energy Technologies Inc. | 144,970 | 3,214 | * | Annaly Capital Management Inc. | 7,372,564 | 142,807 |
| | Empire Petroleum Corp. | 273,797 | 3,009 | <i>,</i> | ¹ SoFi Technologies Inc. | 14,193,122 | 141,222 |
| | Aemetis Inc. | 524,228 | 2,747 | | Ally Financial Inc. | 3,991,595 | 139,386 |
| | ProFrac Holding Corp. Class A Evolution Petroleum Corp. | 316,581 446,295 | 2,685 2,593 | | Interactive Brokers Group Inc. Class A Carlyle Group Inc. | 1,579,119 3,192,101 | 130,909 129,887 |
| | Natural Gas Services Group Inc. | 150,390 | 2,333 | | Webster Financial Corp. | 2,523,159 | 128,076 |
| | Granite Ridge Resources Inc. | 399,914 | 2,407 | | Erie Indemnity Co. Class A | 369,854 | 123,872 |
| | FutureFuel Corp. | 393,445 | 2,392 | * | WEX Inc. | 632,156 | 122,986 |
| * (| Geospace Technologies Corp. | 183,849 | 2,383 | | Unum Group | 2,713,576 | 122,708 |
| | KLX Energy Services Holdings Inc. | 210,328 | 2,368 | | First Horizon Corp. | 8,234,958 | 116,607 |
| | NACCO Industries Inc. Class A | 60,429 | 2,206 | | American Financial Group Inc. | 969,205 | 115,229 |
| | Ranger Energy Services Inc. Class A | 200,156 | 2,048 | | Old Republic International Corp. | 3,852,336 | 113,259 |
| | OPAL Fuels Inc. Class A | 299,547 | 1,654 | | Voya Financial Inc. | 1,542,677 | 112,554 |
| | Riley Exploration Permian Inc. Epsilon Energy Ltd. | 59,317 276,469 | 1,616 1,404 | | Morningstar Inc. Kinsale Capital Group Inc. | 385,414 325,729 | 110,321 109,090 |
| | Adams Resources & Energy Inc. | 49,775 | 1,404 | | New York Community Bancorp Inc. | 10,560,036 | 109,090 |
| | PHX Minerals Inc. | 398,834 | 1,284 | | Western Alliance Bancorp | 1,622,123 | 106,719 |
| | Mammoth Energy Services Inc. | 283,444 | 1,264 | | Primerica Inc. | 518,648 | 106,717 |
| | American Resources Corp. | 824,157 | 1,228 | | Stifel Financial Corp. | 1,507,845 | 104,267 |
| * | Smart Sand Inc. | 599,189 | 1,156 | | Cullen/Frost Bankers Inc. | 947,434 | 102,787 |
| * I | Ring Energy Inc. | 642,522 | 938 | * | Toast Inc. Class A | 5,543,016 | 101,215 |
| | Profire Energy Inc. | 498,092 | 902 | | Jefferies Financial Group Inc. | 2,481,292 | 100,269 |
| | Gulf Island Fabrication Inc. | 207,420 | 898 | | Pinnacle Financial Partners Inc. | 1,138,805 | 99,327 |
| | PrimeEnergy Resources Corp. | 7,468 | 794 | * | First American Financial Corp. | 1,525,684 | 98,315 |
| | Nine Energy Service Inc. | 274,731 | 736 | 1 | RODITITIOUU Markets IIIC. Class A | 7,653,494 | 97,506 |
| | Energy Services of America Corp. Comstock Inc. | 120,053 1,044,524 | 718 572 | · | AGNC Investment Corp. SouthState Corp. | 9,850,827 1,124,249 | 96,637 94,943 |
| | Lightbridge Corp. | 162,218 | 572 | | Prosperity Bancshares Inc. | 1,388,219 | 94,943 94,024 |
| | Enviva Inc. | 518,012 | 516 | | Commerce Bancshares Inc. | 1,757,714 | 93,880 |
| | Battalion Oil Corp. | 53,142 | 511 | 1 | | 4,403,268 | 92,557 |
| | ndependence Contract Drilling Inc. | 152,868 | 375 | | Houlihan Lokey Inc. Class A | 764,848 | 91,713 |
| * 1 | Houston American Energy Corp. | 164,070 | 294 | | SEI Investments Co. | 1,425,945 | 90,619 |
| *,1 (| Camber Energy Inc. | 921,210 | 210 | | Blue Owl Capital Inc. Class A | 6,008,959 | 89,533 |
| | Barnwell Industries Inc. | 80,914 | 197 | | Selective Insurance Group Inc. | 896,641 | 89,198 |
| | Dawson Geophysical Co. | 106,125 | 194 | | Evercore Inc. Class A | 512,452 | 87,655 |
| | NCS Multistage Holdings Inc. | 10,480 | 180 | | Popular Inc. | 1,066,953 | 87,565 |
| | Mexco Energy Corp. PEDEVCO Corp. | 17,490 185,738 | 160 143 | | OneMain Holdings Inc. Wintrust Financial Corp. | 1,769,989 | 87,083 84,249 |
| | Superior Drilling Products Inc. | 198,912 | 143 | | Essent Group Ltd. | 908,343 1,577,424 | 83,193 |
| | Stabilis Solutions Inc. | 27,744 | 142 | | Columbia Banking System Inc. | 3,090,524 | 82,455 |
| | Drilling Tools International Corp. | 34,328 | 110 | | Synovus Financial Corp. | 2,145,427 | 80,775 |
| | US Energy Corp. | 102,771 | 103 | | Cadence Bank | 2,699,388 | 79,875 |
| | MIND Technology Inc. | 11,431 | 75 | | RLI Corp. | 595,519 | 79,275 |
| | Verde Clean Fuels Inc. | 29,389 | 69 | | MGIC Investment Corp. | 4,082,638 | 78,754 |
| | ENGlobal Corp. | 37,593 | 65 | | Bank OZK | 1,549,635 | 77,218 |
| | Clean Energy Technologies Inc. | 30,357 | 45 | | Corebridge Financial Inc. | 3,551,463 | 76,925 |
| | Enservco Corp. | 107,717 | 27 | | Affiliated Managers Group Inc. | 497,928 | 75,396 |
| | EzFill Holdings Inc. Vivakor Inc. | 6,718 4,688 | 11 5 | | United Bankshares Inc. Rithm Capital Corp. | 1,997,374 7,010,253 | 75,001 74,870 |
| | RiskOn International Inc. | 4,688 7,425 | 5 | | Old National Bancorp | 4,329,636 | 74,870 73,128 |
| | | 7,420 | | | FNB Corp. | 5,272,564 | 72,603 |
| E i | 2000 (1720) | | 4,297,946 | | Home BancShares Inc. | 2,775,575 | 70,305 |
| | ncials (17.3%) KKR & Co. Inc. | 9,814,245 | 813,110 | | Valley National Bancorp | 6,303,697 | 68,458 |
| | Block Inc. Class A | 9,814,245 8,191,550 | 633,616 | | Glacier Bancorp Inc. | 1,655,960 | 68,424 |
| | Apollo Global Management Inc. | 6,455,511 | 601,589 | | Lincoln National Corp. | 2,469,146 | 66,593 |
| | Coinbase Global Inc. Class A | 2,533,184 | 440,571 | * | Euronet Worldwide Inc. | 647,981 | 65,764 |
| | Ares Management Corp. Class A | 2,496,941 | 296,936 | * | Ryan Specialty Holdings Inc. Class A | 1,505,296 | 64,758 |
| | Markel Group Inc. | 193,437 | 274,661 | | Radian Group Inc. | 2,257,264 | 64,445 |
| | LPL Financial Holdings Inc. | 1,117,918 | 254,460 | | Hanover Insurance Group Inc. | 529,161 | 64,251 |
| | First Citizens BancShares Inc. Class A | 175,670 | 249,270 | | Western Union Co. SLM Corp. | 5,375,653 3,345,658 | 64,078 63,969 |
| | Fidelity National Financial Inc. | 3,823,761 | 195,088 | * | Mr Cooper Group Inc. | 3,345,058 974,859 | 63,483 |
| | Affirm Holdings Inc. Class A | 3,265,163 | 160,450 | | Axis Capital Holdings Ltd. | 1,145,341 | 63,418 |
| | Reinsurance Group of America Inc. Equitable Holdings Inc. | 975,722 4,675,341 | 157,852 155,689 | * | Shift4 Payments Inc. Class A | 840,734 | 62,500 |
| | Equitable Holdings Inc. RenaissanceRe Holdings Ltd. | 4,675,341 777,992 | 155,689 152,486 | | Hancock Whitney Corp. | 1,282,850 | 62,334 |
| 1 | nenaissancene i ioiuinys Llu. | 111,992 | 102,400 | | | | - |

| | | | Market Value• | | | | Market Value• |
|--------|--|------------------------|------------------|-----|--|------------------------|------------------|
| | | Shares | (\$000) | | | Shares | (\$000) |
| | Hamilton Lane Inc. Class A | 540,099 | 61,269 | | Park National Corp. | 214,190 | 28,457 |
| | Assured Guaranty Ltd. | 799,511 | 59,827 | | Cohen & Steers Inc. | 374,487 | 28,360 |
| | Janus Henderson Group plc FirstCash Holdings Inc. | 1,973,542 547,133 | 59,502 59,304 | | Renasant Corp. WesBanco Inc. | 821,118 877,215 | 27,655 27,518 |
| * | Enstar Group Ltd. | 197,280 | 59,304 58,069 | * | Goosehead Insurance Inc. Class A | 359,128 | 27,222 |
| | Lazard Ltd. Class A | 1,665,726 | 57,967 | | Virtu Financial Inc. Class A | 1,326,852 | 26,882 |
| | First Financial Bankshares Inc. | 1,910,841 | 57,898 | *,1 | HOCKEL COS. IIIC. Class A | 1,855,903 | 26,873 |
| | White Mountains Insurance Group Ltd. Moelis & Co. Class A | 37,178 | 55,953 55,144 | | Banner Corp. Independent Bank Group Inc. | 501,512 526,060 | 26,861 26,766 |
| | Walker & Dunlop Inc. | 982,434 492,603 | 55,144 54,684 | | Banc of California Inc. | 1,968,036 | 26,431 |
| 1 | Blackstone Mortgage Trust Inc. Class A | 2,566,586 | 54,591 | | OFG Bancorp | 692,829 | 25,967 |
| | UMB Financial Corp. | 642,264 | 53,661 | * | Triumph Financial Inc. | 319,418 | 25,611 |
| | Jackson Financial Inc. Class A | 1,038,198 | 53,156 | | Trustmark Corp. | 892,865 | 24,893 |
| * | United Community Banks Inc. American Equity Investment Life Holding Co. | 1,775,780 909,354 | 51,959 50,742 | | City Holding Co. Claros Mortgage Trust Inc. | 223,310 1,806,267 | 24,622 24,619 |
| | Ameris Bancorp | 951,093 | 50,455 | | Lakeland Financial Corp. | 377,661 | 24,608 |
| * | Brighthouse Financial Inc. | 944,451 | 49,980 | | Federal Agricultural Mortgage Corp. Class C | 127,596 | 24,399 |
| *,1 | Credit Acceptance Corp. | 92,934 | 49,509 | | Virtus Investment Partners Inc. | 100,657 | 24,335 |
| | Cathay General Bancorp ServisFirst Bancshares Inc. | 1,083,028 | 48,271 | * | Enterprise Financial Services Corp. | 544,047 | 24,292 |
| | Associated Banc-Corp | 721,511 2,183,703 | 48,074 46,709 | | NCR Atleos Corp. StepStone Group Inc. Class A | 996,640 758,697 | 24,208 24,149 |
| | CNO Financial Group Inc. | 1,661,830 | 46,365 | | Bread Financial Holdings Inc. | 733,028 | 24,146 |
| * | Texas Capital Bancshares Inc. | 706,033 | 45,631 | * | Enova International Inc. | 436,037 | 24,139 |
| 1 | Hannon Armstrong Sustainable Infrastructure Capital | | 45 505 | * | Customers Bancorp Inc. | 417,733 | 24,070 |
| | Inc. Artisan Partners Asset Management Inc. Class A | 1,650,014 1,010,124 | 45,507 44,627 | | Hilltop Holdings Inc. | 674,511 | 23,750 |
| * | Margeta Inc. Class A | 6,365,232 | 44,027 | 1 | Stewart Information Services Corp. Ready Capital Corp. | 402,816 2,300,189 | 23,665 23,577 |
| * | Genworth Financial Inc. Class A | 6,632,539 | 44,305 | | Northwest Bancshares Inc. | 1,880,207 | 23,465 |
| *,1 | Upstart Holdings Inc. | 1,079,742 | 44,118 | | Navient Corp. | 1,237,202 | 23,037 |
| | Kemper Corp. | 889,827 | 43,308 | | First Commonwealth Financial Corp. | 1,491,474 | 23,028 |
| | International Bancshares Corp. Federated Hermes Inc. Class B | 791,986 1,269,090 | 43,021 42,971 | * | Nelnet Inc. Class A | 260,761 | 23,004 |
| | First Hawaiian Inc. | 1,209,090 | 42,971 42,892 | * | Donnelley Financial Solutions Inc. BRP Group Inc. Class A | 364,938 946,753 | 22,761 22,741 |
| | Bank of Hawaii Corp. | 586,160 | 42,473 | | Live Oak Bancshares Inc. | 492,462 | 22,407 |
| | Independent Bank Corp. | 643,532 | 42,351 | | Apollo Commercial Real Estate Finance Inc. | 1,903,333 | 22,345 |
| 1 * | Arbor Realty Trust Inc. | 2,774,611 | 42,119 | | First Bancorp (XNGS) | 601,987 | 22,280 |
| | Axos Financial Inc. BGC Group Inc. Class A | 762,980 5,749,554 | 41,659 41,512 | | TriCo Bancshares Westamerica Bancorp | 511,298 | 21,970 |
| | First Bancorp | 2,520,783 | 41,467 | | Heartland Financial USA Inc. | 388,954 565,101 | 21,941 21,253 |
| | WSFS Financial Corp. | 894,092 | 41,066 | | Hope Bancorp Inc. | 1,738,276 | 20,998 |
| | Pacific Premier Bancorp Inc. | 1,409,275 | 41,024 | * | PROG Holdings Inc. | 670,848 | 20,736 |
| | Community Bank System Inc. | 785,432 | 40,929 | * | Palomar Holdings Inc. | 373,435 | 20,726 |
| | EVERTEC Inc. Atlantic Union Bankshares Corp. | 988,802 1,099,416 | 40,482 40,173 | | FB Financial Corp. Stock Yards Bancorp Inc. | 518,856 400,315 | 20,676 20,612 |
| | Fulton Financial Corp. | 2,407,834 | 39,633 | | BancFirst Corp. | 211,647 | 20,612 |
| | CVB Financial Corp. | 1,951,636 | 39,404 | | National Bank Holdings Corp. Class A | 553,362 | 20,580 |
| * | Remitly Global Inc. | 2,026,130 | 39,347 | | Pathward Financial Inc. | 382,700 | 20,256 |
| | Piper Sandler Cos. TPG Inc. Class A | 220,565 880,529 | 38,570 38,012 | * | Horace Mann Educators Corp. | 609,165 | 19,920 |
| | PennyMac Financial Services Inc. | 425,799 | 37,628 | | Payoneer Global Inc. Provident Financial Services Inc. | 3,819,041 1,099,149 | 19,897 19,818 |
| | First Interstate BancSystem Inc. Class A | 1,218,236 | 37,461 | | S&T Bancorp Inc. | 590,943 | 19,749 |
| | Seacoast Banking Corp. of Florida | 1,289,666 | 36,704 | | First Busey Corp. | 792,298 | 19,665 |
| * | Simmons First National Corp. Class A | 1,846,708 | 36,639 | | Two Harbors Investment Corp. | 1,405,293 | 19,576 |
| * | Flywire Corp. NMI Holdings Inc. Class A | 1,565,967 1,204,546 | 36,252 35,751 | * | PennyMac Mortgage Investment Trust | 1,303,728 | 19,491 |
| | BankUnited Inc. | 1,094,317 | 35,489 | | Oscar Health Inc. Class A Stellar Bancorp Inc. | 2,104,635 685,779 | 19,257 19,092 |
| | BOK Financial Corp. | 412,815 | 35,358 | | Ladder Capital Corp. Class A | 1,652,775 | 19,023 |
| | PJT Partners Inc. Class A | 327,540 | 33,366 | | Sandy Spring Bancorp Inc. | 689,285 | 18,776 |
| | First Financial Bancorp | 1,391,533 | 33,049 | * | Cannae Holdings Inc. | 951,449 | 18,563 |
| | Eastern Bankshares Inc. First Merchants Corp. | 2,312,320 875,369 | 32,835 32,459 | | Victory Capital Holdings Inc. Class A | 538,756 | 18,555 |
| | WaFd Inc. | 875,369 945,861 | 32,459 31,176 | * | Veritex Holdings Inc. Encore Capital Group Inc. | 797,089 351,980 | 18,548 17,863 |
| * | AvidXchange Holdings Inc. | 2,515,044 | 31,161 | | CNA Financial Corp. | 400,478 | 16,944 |
| * | Bancorp Inc. | 797,065 | 30,735 | | MFA Financial Inc. | 1,496,314 | 16,863 |
| | Towne Bank | 1,027,189 | 30,569 | | Safety Insurance Group Inc. | 219,487 | 16,679 |
| * | NBT Bancorp Inc. StoneX Group Inc. | 698,848 394,557 | 29,289 29,130 | | Merchants Bancorp | 391,293 | 16,661 |
| | | 554,007 | 23,130 | | Chimera Investment Corp. | 3,324,247 | 16,588 |

| | | | Market | | | | Market |
|-----|---|----------------------|-------------------|---|---|--------------------|-------------------|
| | | Shares | Value* (\$000) | | | Shares | Value* (\$000) |
| | Franklin BSP Realty Trust Inc. | 1,218,586 | 16,463 | | Cass Information Systems Inc. | 195,126 | 8,790 |
| * | Peoples Bancorp Inc. | 483,837 | 16,334 | | Cambridge Bancorp | 123,173 | 8,548 |
| *,1 | Skyward Specialty Insurance Group Inc. Trupanion Inc. | 479,191 527,419 | 16,235 16,092 | | Washington Trust Bancorp Inc. Independent Bank Corp. (Michigan) | 263,756 327,992 | 8,540 8,534 |
| | Origin Bancorp Inc. | 450,818 | 16,036 | | TrustCo Bank Corp. (Michigan) | 273,563 | 8,494 |
| | National Western Life Group Inc. Class A | 32,960 | 15,920 | | Central Pacific Financial Corp. | 420,936 | 8,284 |
| * | SiriusPoint Ltd. | 1,321,269 | 15,327 | | Mercantile Bank Corp. | 200,736 | 8,106 |
| | Berkshire Hills Bancorp Inc. | 614,915 | 15,268 | 1 | A-Mark Precious Metals Inc. | 266,157 | 8,051 |
| | OceanFirst Financial Corp. QCR Holdings Inc. | 875,977 260,129 | 15,207 15,189 | | Ares Commercial Real Estate Corp. Kearny Financial Corp. | 776,661 892,481 | 8,046 8,006 |
| * | PRA Group Inc. | 579,350 | 15,189 | | Flushing Financial Corp. | 483,274 | 7,964 |
| *,1 | Lemonade Inc. | 936,194 | 15,101 | * | Columbia Financial Inc. | 408,533 | 7,877 |
| | Nicolet Bankshares Inc. | 185,981 | 14,968 | * | Coastal Financial Corp. | 176,352 | 7,832 |
| 1 | Employers Holdings Inc. | 379,671 | 14,959 | 1 | HCI Group Inc. | 88,678 | 7,750 |
| 1 | Ellington Financial Inc. Mercury General Corp. | 1,165,705 395,016 | 14,816 14,738 | | Farmers National Banc Corp. Republic Bancorp Inc. Class A | 536,169 139,443 | 7,748 7,692 |
| | BrightSpire Capital Inc. Class A | 1,951,484 | 14,738 | | Perella Weinberg Partners Class A | 628,273 | 7,692 7,684 |
| 1 | ARMOUR Residential REIT Inc. | 743,946 | 14,373 | | Diamond Hill Investment Group Inc. | 46,332 | 7,672 |
| | Brookline Bancorp Inc. | 1,315,560 | 14,353 | * | I3 Verticals Inc. Class A | 361,242 | 7,647 |
| * | LendingClub Corp. | 1,618,414 | 14,145 | | Peapack-Gladstone Financial Corp. | 254,277 | 7,583 |
| | German American Bancorp Inc. | 432,732 | 14,025 | 1 | Orchid Island Capital Inc. | 899,093 | 7,579 |
| | Lakeland Bancorp Inc. Eagle Bancorp Inc. | 939,523 459,507 | 13,896 13,850 | | American National Bankshares Inc. Southern Missouri Bancorp Inc. | 152,480 137,592 | 7,433 7,346 |
| | AMERISAFE Inc. | 290,880 | 13,607 | | First Financial Corp. | 168,086 | 7,233 |
| | Dime Community Bancshares Inc. | 503,172 | 13,550 | | First Foundation Inc. | 746,965 | 7,231 |
| | 1st Source Corp. | 241,441 | 13,267 | | CNB Financial Corp. | 317,101 | 7,163 |
| | Premier Financial Corp. | 548,726 | 13,224 | | Northfield Bancorp Inc. | 568,991 | 7,158 |
| | Southside Bancshares Inc. Preferred Bank | 420,278 | 13,163 | | Bar Harbor Bankshares | 242,276 | 7,113 |
| | Redwood Trust Inc. | 179,281 1,753,092 | 13,096 12,990 | | United Fire Group Inc. Great Southern Bancorp Inc. | 351,882 119,276 | 7,080 7,079 |
| | Enact Holdings Inc. | 441,260 | 12,748 | | Amalgamated Financial Corp. | 262,251 | 7,065 |
| * | Open Lending Corp. | 1,476,335 | 12,564 | * | Green Dot Corp. Class A | 698,730 | 6,917 |
| | First Bancshares Inc. | 426,202 | 12,501 | | HarborOne Bancorp Inc. | 571,808 | 6,850 |
| | Capitol Federal Financial Inc. | 1,923,023 | 12,403 | * | World Acceptance Corp. | 52,039 | 6,793 |
| | ConnectOne Bancorp Inc. F&G Annuities & Life Inc. | 537,336 267,490 | 12,310 12,305 | * | Capital City Bank Group Inc. Cantaloupe Inc. | 228,680 906,356 | 6,730 6,716 |
| | First Mid Bancshares Inc. | 347,262 | 12,036 | | Shore Bancshares Inc. | 469,235 | 6,687 |
| | WisdomTree Inc. | 1,722,621 | 11,938 | * | EZCORP Inc. Class A | 763,399 | 6,672 |
| | KKR Real Estate Finance Trust Inc. | 882,387 | 11,674 | | Equity Bancshares Inc. Class A | 196,324 | 6,655 |
| | Tompkins Financial Corp. | 193,772 | 11,671 | | Arrow Financial Corp. | 238,003 | 6,650 |
| * | New York Mortgage Trust Inc. International Money Express Inc. | 1,358,928 523,834 | 11,592 11,571 | | P10 Inc. Class A TPG RE Finance Trust Inc. | 641,892 995,047 | 6,560 6,468 |
| * | Ambac Financial Group Inc. | 695,050 | 11,454 | | Invesco Mortgage Capital Inc. | 689,915 | 6,113 |
| | Bank First Corp. | 124,322 | 10,774 | | Hingham Institution For Savings | 31,039 | 6,034 |
| | Heritage Financial Corp. | 501,794 | 10,733 | | Summit Financial Group Inc. | 195,596 | 6,003 |
| 1 | TFS Financial Corp. | 727,708 | 10,690 | | HomeTrust Bancshares Inc. | 222,554 | 5,991 |
| | UWM Holdings Corp. Class A ProAssurance Corp. | 1,477,057 754,883 | 10,561 10,410 | | Metrocity Bankshares Inc. MidWestOne Financial Group Inc. | 248,335 221,299 | 5,965 5,955 |
| | Amerant Bancorp Inc. Class A | 418,223 | 10,410 | | Tiptree Inc. Class A | 311,448 | 5,905 |
| | Community Trust Bancorp Inc. | 233,917 | 10,260 | 1 | Burke & Herbert Financial Services Corp. | 93,348 | 5,872 |
| | Byline Bancorp Inc. | 435,172 | 10,253 | | Macatawa Bank Corp. | 508,999 | 5,742 |
| * | Dynex Capital Inc. | 800,505 | 10,022 | | Universal Insurance Holdings Inc. | 356,462 | 5,696 |
| * | Repay Holdings Corp. Class A AssetMark Financial Holdings Inc. | 1,151,557 | 9,834 | | ACNB Corp. | 126,982 | 5,684 |
| | Old Second Bancorp Inc. | 324,642 628,637 | 9,723 9,706 | | Alerus Financial Corp. James River Group Holdings Ltd. | 248,710 598,900 | 5,569 5,534 |
| | Brightsphere Investment Group Inc. | 500,936 | 9,598 | | Northeast Bank | 98,294 | 5,425 |
| | Business First Bancshares Inc. | 379,259 | 9,349 | | GCM Grosvenor Inc. Class A | 600,784 | 5,383 |
| * | Midland States Bancorp Inc. | 338,440 | 9,327 | * | Forge Global Holdings Inc. | 1,554,121 | 5,331 |
| - | Metropolitan Bank Holding Corp. | 167,115 | 9,255 | 1 | SmartFinancial Inc. | 211,954 | 5,191 |
| | First Community Bankshares Inc. Hanmi Financial Corp. | 249,094 474,120 | 9,241 9,198 | | B. Riley Financial Inc. Granite Point Mortgage Trust Inc. | 246,729 871,777 | 5,179 5,178 |
| | Heritage Commerce Corp. | 474,120 924,810 | 9,198 9,174 | | Esquire Financial Holdings Inc. | 103,407 | 5,178 5,166 |
| | Univest Financial Corp. | 416,366 | 9,173 | | Citizens & Northern Corp. | 225,043 | 5,048 |
| * | NerdWallet Inc. Class A | 608,608 | 8,959 | * | Moneylion Inc. | 79,895 | 5,009 |
| | Horizon Bancorp Inc. | 625,516 | 8,951 | * | Carter Bankshares Inc. | 334,514 | 5,008 |
| * | Camden National Corp. CrossFirst Bankshares Inc. | 237,527 657,435 | 8,938 8,928 | | Capstar Financial Holdings Inc. Mid Penn Bancorp Inc. | 265,424 204,439 | 4,974 4,964 |
| | | 007,400 | 0,320 | | | 204,403 | 4,304 |

| | | | Market Value• | | | | Market Value• |
|-----|--|----------------------|------------------|-----|---|----------------------|------------------|
| | | Shares | (\$000) | _ | | Shares | (\$000) |
| 1 | NewtekOne Inc. | 350,809 | 4,841 | J | First Internet Bancorp | 117,894 | 2,852 |
| - | LendingTree Inc. | 158,617 | 4,809 | - | Ocwen Financial Corp. | 92,076 | 2,832 |
| | Financial Institutions Inc. HBT Financial Inc. | 224,124 222.075 | 4,774 4,688 | *,1 | AFC Gamma Inc. | 235,118 293,947 | 2,828 2,781 |
| * | Bridgewater Bancshares Inc. | 222,075 342,495 | 4,688 4,631 | | American Coastal Insurance Corp. Oak Valley Bancorp | 293,947 92,100 | 2,781 |
| | Home Bancorp Inc. | 110,046 | 4,623 | | LINKBANCORP Inc. | 345,977 | 2,757 |
| | Federal Agricultural Mortgage Corp. Class A | 29,419 | 4,622 | | HomeStreet Inc. | 267,514 | 2,755 |
| * | Paymentus Holdings Inc. Class A | 258,184 | 4,614 | | Ames National Corp. | 128,938 | 2,752 |
| | South Plains Financial Inc. | 158,578 | 4,592 | | Bankwell Financial Group Inc. | 90,469 | 2,730 |
| | Orrstown Financial Services Inc. | 155,308 | 4,582 | | Parke Bancorp Inc. | 134,688 | 2,727 |
| * | Peoples Financial Services Corp. | 93,073 | 4,533 | * | Princeton Bancorp Inc. | 75,716 | 2,718 |
| | Southern First Bancshares Inc. Northrim Bancorp Inc. | 122,020 78,554 | 4,527 4,494 | | Atlanticus Holdings Corp. National Bankshares Inc. | 70,011 83,624 | 2,707 2,705 |
| * | Greenlight Capital Re Ltd. Class A | 389,372 | 4,494 4,447 | | ChoiceOne Financial Services Inc. | 92,210 | 2,703 |
| | First Bank | 299,982 | 4,410 | | Southern States Bancshares Inc. | 91,779 | 2,687 |
| | FS Bancorp Inc. | 119,191 | 4,405 | | Greene County Bancorp Inc. | 94,636 | 2,669 |
| | Bridge Investment Group Holdings Inc. Class A | 437,436 | 4,278 | | Western New England Bancorp Inc. | 293,220 | 2,639 |
| | Sierra Bancorp | 189,219 | 4,267 | | Chemung Financial Corp. | 52,844 | 2,632 |
| | Northeast Community Bancorp Inc. | 239,956 | 4,257 | * | FVCBankcorp Inc. | 184,619 | 2,622 |
| | First of Long Island Corp. | 319,955 | 4,236 | *,1 | 5 | 1,170,281 | 2,610 |
| | Oppenheimer Holdings Inc. Class A | 102,492 | 4,235 | * | Evans Bancorp Inc. | 81,839 | 2,580 |
| | West Bancorp Inc. | 199,380 184,802 | 4,227 4,169 | * | California Bancorp IoanDepot Inc. Class A | 104,001 730,250 | 2,575 2,570 |
| | John Marshall Bancorp Inc. BayCom Corp. | 175,600 | 4,109 | | ESSA Bancorp Inc. | 125.382 | 2,570 |
| | MBIA Inc. | 673,006 | 4,142 | | Medallion Financial Corp. | 254,706 | 2,509 |
| | Five Star Bancorp | 155,233 | 4,064 | | Donegal Group Inc. Class A | 178,372 | 2,495 |
| | Bank of Marin Bancorp | 183,391 | 4,038 | * | Selectquote Inc. | 1,811,793 | 2,482 |
| | Citizens Financial Services Inc. | 61,514 | 3,981 | | Unity Bancorp Inc. | 82,977 | 2,455 |
| | Guaranty Bancshares Inc. | 118,344 | 3,979 | * | Provident Bancorp Inc. | 242,279 | 2,440 |
| | Farmers & Merchants Bancorp Inc. | 159,712 | 3,961 | * | Velocity Financial Inc. | 138,380 | 2,383 |
| | First Business Financial Services Inc. | 96,456 | 3,868 | * | Acacia Research Corp. | 604,723 | 2,371 |
| | Civista Bancshares Inc. | 208,665 | 3,848 | | Seven Hills Realty Trust | 180,973 | 2,342 |
| *,1 | Enterprise Bancorp Inc. Better Home & Finance Holding Co. | 118,864 4,616,288 | 3,835 3,769 | * | First Northwest Bancorp Maiden Holdings Ltd. | 144,883 1,008,288 | 2,309 2,309 |
| | Waterstone Financial Inc. | 264,044 | 3,703 | | First United Corp. | 97,981 | 2,303 |
| | Red River Bancshares Inc. | 65,999 | 3,703 | | Hawthorn Bancshares Inc. | 90,769 | 2,303 |
| | RBB Bancorp | 192,099 | 3,658 | *,1 | | 271,673 | 2,282 |
| | Primis Financial Corp. | 286,218 | 3,624 | | Virginia National Bankshares Corp. | 66,254 | 2,278 |
| * | Third Coast Bancshares Inc. | 181,078 | 3,598 | | First Community Corp. | 104,001 | 2,239 |
| | Regional Management Corp. | 142,217 | 3,567 | 1 | BV Financial Inc. | 157,520 | 2,234 |
| | Timberland Bancorp Inc. | 113,358 | 3,566 | | Sachem Capital Corp. | 587,332 | 2,197 |
| * | Fidelity D&D Bancorp Inc. Blue Foundry Bancorp | 61,342 366,870 | 3,560 3,548 | | MainStreet Bancshares Inc. Penns Woods Bancorp Inc. | 87,327 95,148 | 2,167 2,142 |
| | MVB Financial Corp. | 156,736 | 3,548 | | LCNB Corp. | 135,148 | 2,142 |
| | Crawford & Co. Class B | 265,090 | 3,467 | | Nexpoint Real Estate Finance Inc. | 132,816 | 2,092 |
| | Investors Title Co. | 21,248 | 3,445 | | OP Bancorp | 187,294 | 2,051 |
| * | eHealth Inc. | 393,743 | 3,433 | * | Finwise Bancorp | 142,628 | 2,041 |
| | Codorus Valley Bancorp Inc. | 133,541 | 3,432 | | Silvercrest Asset Management Group Inc. Class A | 119,306 | 2,028 |
| * | Heritage Insurance Holdings Inc. | 522,196 | 3,405 | *,1 | hippo Holdingo Hie. | 220,076 | 2,007 |
| | Colony Bankcorp Inc. | 255,862 | 3,403 | | Peoples Bancorp of North Carolina Inc. | 66,460 | 2,006 |
| *,1 | Orange County Bancorp Inc. | 56,424 | 3,399 | | Meridian Corp. | 143,789 | 1,999 |
| ,. | Hagerty Inc. Class A Norwood Financial Corp. | 421,916 99,904 | 3,291 3,288 | | William Penn Bancorp Great Ajax Corp. | 163,334 372,803 | 1,994 1,976 |
| | Middlefield Banc Corp. | 101,429 | 3,283 | * | Security National Financial Corp. Class A | 218,152 | 1,963 |
| | PCB Bancorp | 176,970 | 3,262 | | BankFinancial Corp. | 185,100 | 1,899 |
| | First Bancorp Inc. | 115,481 | 3,259 | | Riverview Bancorp Inc. | 296,607 | 1,898 |
| | AG Mortgage Investment Trust Inc. | 505,496 | 3,210 | * | First Western Financial Inc. | 95,670 | 1,897 |
| J | Chicago Atlantic Real Estate Finance Inc. | 198,268 | 3,208 | | Investar Holding Corp. | 122,875 | 1,832 |
| * | Ponce Financial Group Inc. | 322,732 | 3,150 | 1 | Associated Capital Group Inc. Class A | 51,110 | 1,825 |
| 1 | Angel Oak Mortgage REIT Inc. | 296,836 | 3,146 | * | Franklin Financial Services Corp. | 57,198 | 1,805 |
| | Central Valley Community Bancorp | 139,636 | 3,121 | | Luther Burbank Corp. | 167,843 | 1,798 |
| | C&F Financial Corp. Plumas Bancorp | 44,566 73,314 | 3,039 3,032 | | Richmond Mutual Bancorp Inc. Ellington Residential Mortgage REIT | 155,139 282 174 | 1,786 1,730 |
| *,1 | AlTi Global Inc. | 73,314 345,322 | 3,032 3,025 | 1 | Cherry Hill Mortgage Investment Corp. | 282,174 426,678 | 1,730 1,724 |
| | Capital Bancorp Inc. | 122,877 | 2,974 | | Crawford & Co. Class A | 129,758 | 1,724 |
| | Southern California Bancorp | 170,797 | 2,963 | | Citizens Community Bancorp Inc. | 145,525 | 1,704 |
| * | | | | | | | |

| | | | Market Value• | | | | Market Value• |
|---|----------------|--------------------|------------------|----------|--|------------------------|--------------------|
| | | Shares | (\$000) | | | Shares | (\$000) |
| ECB Bancorp Inc. | | 133,850 | 1,676 | | First Seacoast Bancorp | 62,608 | 473 |
| First National Corp. | | 76,797 | 1,670 | *,* | Denencient Glass A | 962,056 | 468 |
| Hanover Bancorp Inc. | | 93,997 | 1,658 | | Usio Inc. | 234,439 | 403 |
| FNCB Bancorp Inc. | | 236,131 | 1,603 | * | Hennessy Advisors Inc. | 58,395 | 392 |
| Sterling Bancorp Inc. | | 269,676 161,257 | 1,556 1,542 | * | Broadway Financial Corp. Bright Health Group Inc. | 58,791 47,738 | 390 364 |
| USCB Financial Holdings | 00 | 125,822 | 1,542 | * | FlexShopper Inc. | 47,738 194,566 | 364 325 |
| Oportun Financial Corp. | 116. | 391,650 | 1,531 | *, | | 149.801 | 298 |
| SB Financial Group Inc. | | 99,089 | 1,510 | * | BM Technologies Inc. | 144,374 | 296 |
| NI Holdings Inc. | | 115,761 | 1,504 | * | Vericity Inc. | 26,227 | 293 |
| Territorial Bancorp Inc. | | 133,227 | 1,485 | * | Bogota Financial Corp. | 34,929 | 281 |
| United Security Bancshar | es | 173,552 | 1,460 | | Texas Community Bancshares Inc. | 20,004 | 281 |
| CB Financial Services Inc. | | 60,900 | 1,451 | * | Kingstone Cos. Inc. | 123,172 | 262 |
| Eagle Bancorp Montana I | IC. | 91,045 | 1,438 | *,1 | Siebert Financial Corp. | 150,413 | 253 |
| Union Bankshares Inc. | | 46,833 | 1,435 | * | OptimumBank Holdings Inc. | 59,642 | 248 |
| Westwood Holdings Grou | p Inc. | 113,259 | 1,424 | * | Curo Group Holdings Corp. | 301,842 | 241 |
| First Financial Northwest | nc. | 103,807 | 1,399 | | Kentucky First Federal Bancorp | 53,070 | 237 |
| Paysign Inc. | | 496,392 | 1,390 | * | NSTS Bancorp Inc. | 25,211 | 237 |
| HMN Financial Inc. | | 58,871 | 1,354 | | Atlantic American Corp. | 88,541 | 211 |
| Bank7 Corp. | | 49,485 | 1,353 | × . | Safeguard Scientifics Inc. | 237,965 | 187 |
| Consumer Portfolio Servio | | 143,922 | 1,349 | *,` * | | 96,992 | 170 |
| First Savings Financial Gro | oup Inc. | 78,751 | 1,323 | | PB Bankshares Inc. | 13,314 | 167 |
| Lument Finance Trust Inc. | | 561,340 | 1,308 | * | Home Federal Bancorp Inc. of Louisiana | 10,855 | 161 |
| Community West Bancsh | | 73,860 | 1,284 | * | Ryvyl Inc. | 35,394 | 148 |
| Guild Holdings Co. Class | 4 | 89,635 | 1,263 | | Carver Bancorp Inc. | 71,288 | 140 |
| CF Bankshares Inc. | ٨ | 62,612 | 1,232 | *, | Village Bank & Trust Financial Corp. | 3,075 | 123 |
| ourot moralingo into: olubo | A | 115,414 | 1,210 | * | | 112,818 | 120 |
| First Capital Inc. Heritage Global Inc. | | 44,229 432,887 | 1,207 1,203 | * | Income Opportunity Realty Investors Inc. Ashford Inc. | 8,889 25,046 | 119 92 |
| Ohio Valley Banc Corp. | | 432,007 52,282 | 1,203 | * | Oxbridge Re Holdings Ltd. | 85,132 | 92 90 |
| Finward Bancorp | | 47,585 | 1,202 | | Glen Burnie Bancorp | 12,750 | 78 |
| Provident Financial Holdin | as Inc | 92,550 | 1,167 | * | FG Financial Group Inc. | 47,116 | 73 |
| SWK Holdings Corp. | go me. | 65,383 | 1,146 | * | Patriot National Bancorp Inc. | 18,164 | 70 |
| ^{t,1} OppFi Inc. | | 221,110 | 1,132 | *, | | 99,032 | 61 |
| Magyar Bancorp Inc. | | 97,998 | 1,098 | * | Lake Shore Bancorp Inc. | 4,543 | 53 |
| Pioneer Bancorp Inc. | | 106,991 | 1,071 | *, | | 37,415 | 53 |
| MarketWise Inc. | | 392,321 | 1,071 | * | Hallmark Financial Services Inc. | 44,543 | 45 |
| Catalyst Bancorp Inc. | | 96,306 | 1,044 | | Cohen & Co. Inc. | 4,688 | 31 |
| Sound Financial Bancorp | nc. | 26,610 | 1,038 | *, | Central Plains Bancshares Inc. | 3,046 | 31 |
| Summit State Bank | | 84,229 | 1,011 | *, | Sezzle Inc. | 1,414 | 29 |
| First Guaranty Bancshare | s Inc. | 90,349 | 1,005 | * | ICC Holdings Inc. | 1,786 | 27 |
| ACRES Commercial Realt | y Corp. | 103,938 | 1,000 | *,1 | Conifer Holdings Inc. | 25,019 | 26 |
| Old Point Financial Corp. | | 54,136 | 960 | * | Reliance Global Group Inc. | 40,514 | 22 |
| Landmark Bancorp Inc. | | 49,361 | 957 | *, | Netcapital Inc. | 52,818 | 11 |
| GoHealth Inc. Class A | | 70,226 | 937 | * | CFSB Bancorp Inc. | 1,166 | 7 |
| Priority Technology Holdin | | 258,431 | 920 | ÷ | Mill City Ventures III Ltd. | 492 | 1 |
| Bank of the James Financ | ial Group Inc. | 76,015 | 914 | - | Marygold Cos. Inc. | 81 _ | |
| Affinity Bancshares Inc. | | 55,412 | 885 | | | | 16,822,862 |
| United Bancorp Inc. | | 67,493 | 860 | H | ealth Care (11.8%) | | |
| First US Bancshares Inc. | | 79,463 | 844 | * | Veeva Systems Inc. Class A | 2,160,260 | 415,893 |
| Rhinebeck Bancorp Inc. | | 100,699 | 811 | * | Alnylam Pharmaceuticals Inc. | 1,857,453 | 355,535 |
| 1895 Bancorp of Wiscons | in InC. | 113,359 | 784 | * | BioMarin Pharmaceutical Inc. | 2,778,508 | 267,904 |
| AmeriServ Financial Inc. | | 234,364 | 758 | * | Avantor Inc. | 10,009,199 | 228,510 |
| Nicholas Financial Inc. | | 107,044 | 731 | * | Exact Sciences Corp. | 2,673,070 | 197,754 |
| Bayfirst Financial Corp. Cullman Bancorp Inc. | | 56,203 63,750 | 728 686 | * | Neurocrine Biosciences Inc. | 1,449,469 | 190,982 |
| Blue Ridge Bankshares In | 0 | 210,890 | 639 | * | Karuna Therapeutics Inc. | 528,202 | 167,181 |
| US Global Investors Inc. (| | 226,209 | 638 | * | Royalty Pharma plc Class A | 5,657,156 | 158,910 |
| Auburn National Bancorp | | 29,637 | 631 | * | United Therapeutics Corp. | 691,811 | 152,122 |
| TC Bancshares Inc. | | 46,125 | 631 | * | Penumbra Inc. | 570,848 | 143,591 |
| IF Bancorp Inc. | | 37,943 | 612 | * | Repligen Corp. | 768,353 | 138,150 |
| Generations Bancorp NY | nc. | 58,856 | 601 | | Sarepta Therapeutics Inc. | 1,382,099 | 133,276 |
| Value Line Inc. | | 10,321 | 503 | * | Chemed Corp. | 222,962 | 130,377 |
| Pathfinder Bancorp Inc. | | 36,034 | 498 | * | Cytokinetics Inc. | 1,470,192 | 122,746 |
| | | 445,632 | 490 | * | Jazz Pharmaceuticals plc | 930,162 | 114,410 |
| Finance of America Cos I | IIC. UIASS A | | | | | | |
| Finance of America Cos. I Manhattan Bridge Capital | | 97,338 | 484 | * | Tenet Healthcare Corp. Exelixis Inc. | 1,502,690 4,598,447 | 113,558 110,317 |

| | | | Market | | | | Market |
|-----|---|------------------------|--------------------|-----|---|------------------------|-------------------|
| | | Shares | Value* (\$000) | | | Shares | Value• (\$000) |
| * | Ionis Pharmaceuticals Inc. | 2,113,781 | 106,936 | * | Denali Therapeutics Inc. | 1,828,280 | 39,235 |
| * | ImmunoGen Inc. | 3,584,179 | 106,271 | * | Cymabay Therapeutics Inc. | 1,627,908 | 38,451 |
| * | Acadia Healthcare Co. Inc. | 1,363,578 | 106,032 | | TransMedics Group Inc. | 483,244 | 38,142 |
| * | Medpace Holdings Inc. | 345,721 | 105,974 | | Pacific Biosciences of California Inc. | 3,701,856 | 36,315 |
| * | Natera Inc. Shockwave Medical Inc. | 1,678,193 547,918 | 105,122 104,411 | * | Select Medical Holdings Corp. TG Therapeutics Inc. | 1,544,837 2,103,543 | 36,304 35,929 |
| | Bruker Corp. | 1,371,516 | 100,779 | | Patterson Cos. Inc. | 1,253,424 | 35,660 |
| | Encompass Health Corp. | 1,487,877 | 99,271 | * | Ideaya Biosciences Inc. | 984,155 | 35,016 |
| * | Intra-Cellular Therapies Inc. | 1,322,189 | 94,695 | * | Immunovant Inc. | 827,599 | 34,867 |
| | Ensign Group Inc. | 834,653 | 93,656 | * | Privia Health Group Inc. | 1,512,913 | 34,842 |
| | Globus Medical Inc. Class A | 1,712,140 | 91,240 | * | Surgery Partners Inc. | 1,085,059 | 34,711 |
| * | Apellis Pharmaceuticals Inc. | 1,510,528 | 90,420 | * | Amphastar Pharmaceuticals Inc. | 559,496 | 34,605 |
| * | Inspire Medical Systems Inc. Option Care Health Inc. | 437,495 2,621,818 | 89,000 88,329 | * | Nuvalent Inc. Class A Rhythm Pharmaceuticals Inc. | 468,846 737,287 | 34,502 33,893 |
| * | 10X Genomics Inc. Class A | 1,542,689 | 86,329 | * | SpringWorks Therapeutics Inc. | 926,846 | 33,830 |
| * | HealthEquity Inc. | 1,266,880 | 83,994 | * | Arvinas Inc. | 811,090 | 33,384 |
| * | Blueprint Medicines Corp. | 897,108 | 82,749 | * | CorVel Corp. | 133,039 | 32,889 |
| * | Vaxcyte Inc. | 1,297,528 | 81,485 | * | Celldex Therapeutics Inc. | 805,156 | 31,932 |
| | Masimo Corp. | 661,072 | 77,484 | * | Rocket Pharmaceuticals Inc. | 1,048,472 | 31,423 |
| * 1 | Bridgebio Pharma Inc. | 1,913,425 | 77,245 | * | Twist Bioscience Corp. | 845,365 | 31,160 |
| * | CRISPR Therapeutics AG Halozyme Therapeutics Inc. | 1,180,348 1,950,336 | 73,890 72,084 | * | RadNet Inc. R1 RCM Inc. | 889,860 2,922,879 | 30,940 30,895 |
| * | Alkermes plc | 2,457,722 | 68,177 | * | PTC Therapeutics Inc. | 1,112,490 | 30,895 |
| * | Insmed Inc. | 2,115,162 | 65,549 | * | NeoGenomics Inc. | 1,882,332 | 30,456 |
| * | Merit Medical Systems Inc. | 851,939 | 64,713 | * | Crinetics Pharmaceuticals Inc. | 850,816 | 30,272 |
| | Perrigo Co. plc | 2,010,745 | 64,706 | * | ICU Medical Inc. | 299,404 | 29,863 |
| * | Haemonetics Corp. | 751,477 | 64,259 | * | Veracyte Inc. | 1,065,629 | 29,315 |
| | Lantheus Holdings Inc. | 1,013,601 | 62,843 | | Beam Therapeutics Inc. | 1,069,404 | 29,109 |
| * | Envista Holdings Corp. | 2,561,192 | 61,622 | * | Schrodinger Inc. | 808,338 | 28,939 |
| * | Ultragenyx Pharmaceutical Inc. Neogen Corp. | 1,245,373 2,908,603 | 59,554 58,492 | * | Tandem Diabetes Care Inc. Certara Inc. | 963,593 1,583,116 | 28,503 27,847 |
| * | Azenta Inc. | 893,200 | 58,492 58,183 | * | PROCEPT BioRobotics Corp. | 657,385 | 27,647 |
| * | Glaukos Corp. | 719,552 | 57,197 | * | Viking Therapeutics Inc. | 1,477,775 | 27,501 |
| * | Evolent Health Inc. Class A | 1,721,128 | 56,849 | * | Dynavax Technologies Corp. | 1,887,744 | 26,391 |
| * | Amicus Therapeutics Inc. | 3,985,172 | 56,550 | * | lovance Biotherapeutics Inc. | 3,229,262 | 26,254 |
| | agilon health Inc. | 4,467,958 | 56,073 | | Arcellx Inc. | 467,560 | 25,950 |
| * | Roivant Sciences Ltd. | 4,945,232 | 55,535 | * | Myriad Genetics Inc. | 1,353,919 | 25,914 |
| * | Cerevel Therapeutics Holdings Inc. ACADIA Pharmaceuticals Inc. | 1,307,710 | 55,447 55,222 | * | Omnicell Inc. AtriCure Inc. | 670,359 | 25,226 24,880 |
| | Organon & Co. | 1,763,726 3,797,487 | 55,222 54,760 | * | Sotera Health Co. | 697,123 1,476,104 | 24,880 24,872 |
| * | REVOLUTION Medicines Inc. | 1,907,787 | 54,715 | * | Vericel Corp. | 698,335 | 24,868 |
| * | QuidelOrtho Corp. | 735,956 | 54,240 | * | Catalyst Pharmaceuticals Inc. | 1,467,617 | 24,671 |
| * | Madrigal Pharmaceuticals Inc. | 230,050 | 53,229 | * | Syndax Pharmaceuticals Inc. | 1,129,756 | 24,414 |
| * | Teladoc Health Inc. | 2,454,306 | 52,890 | * | Apollo Medical Holdings Inc. | 624,592 | 23,922 |
| | Mirati Therapeutics Inc. | 867,446 | 50,962 | | Supernus Pharmaceuticals Inc. | 801,029 | 23,182 |
| * | CONMED Corp. | 453,242 | 49,635 | * | Ironwood Pharmaceuticals Inc. Class A | 2,022,686 | 23,140 |
| * | Doximity Inc. Class A Inari Medical Inc. | 1,760,371 756,542 | 49,361 49,115 | *,1 | Pacira BioSciences Inc. Recursion Pharmaceuticals Inc. Class A | 679,715 2,322,930 | 22,934 22,904 |
| * | Integer Holdings Corp. | 491,096 | 48,658 | * | STAAR Surgical Co. | 720,136 | 22,304 |
| * | iRhythm Technologies Inc. | 452,507 | 48,436 | * | Addus HomeCare Corp. | 239,452 | 22,233 |
| * | Arrowhead Pharmaceuticals Inc. | 1,580,055 | 48,350 | * | Ardelyx Inc. | 3,553,133 | 22,029 |
| * | Guardant Health Inc. | 1,744,191 | 47,180 | * | Owens & Minor Inc. | 1,130,669 | 21,788 |
| * | Axonics Inc. | 747,371 | 46,509 | * | Novocure Ltd. | 1,440,175 | 21,502 |
| * | Krystal Biotech Inc. | 372,789 | 46,248 | * | Alphatec Holdings Inc. | 1,420,369 | 21,462 |
| * | Prestige Consumer Healthcare Inc. Fortrea Holdings Inc. | 753,236 | 46,113 | | Prothena Corp. plc US Physical Therapy Inc. | 573,906 219,499 | 20,856 |
| * | Progyny Inc. | 1,318,012 1,229,604 | 45,999 45,717 | * | Protagonist Therapeutics Inc. | 842,744 | 20,444 19,324 |
| *,1 | Axsome Therapeutics Inc. | 571,245 | 45,465 | * | BioCryst Pharmaceuticals Inc. | 3,225,610 | 19,324 |
| * | Amedisys Inc. | 476,624 | 45,308 | * | Xencor Inc. | 907,473 | 19,266 |
| * | Integra LifeSciences Holdings Corp. | 1,014,341 | 44,175 | * | Hims & Hers Health Inc. | 2,154,925 | 19,179 |
| *,1 | Corcept Therapeutics Inc. | 1,327,129 | 43,105 | * | Akero Therapeutics Inc. | 816,657 | 19,069 |
| * | AMN Healthcare Services Inc. | 558,749 | 41,839 | * | UFP Technologies Inc. | 105,813 | 18,204 |
| * | Biohaven Ltd. | 962,003 | 41,174 | * | National HealthCare Corp. | 196,672 | 18,176 |
| * | LivaNova plc Enovis Corp. | 794,548 733,237 | 41,110 41,076 | * | Agios Pharmaceuticals Inc. Phreesia Inc. | 815,904 768,441 | 18,170 17,789 |
| * | Intellia Therapeutics Inc. | 1,312,473 | 40,017 | *,1 | Mirum Pharmaceuticals Inc. | 601,321 | 17,751 |
| | Premier Inc. Class A | 1,767,880 | 39,530 | * | Ligand Pharmaceuticals Inc. | 241,757 | 17,266 |
| | | ,, | | | J | , | ,=== |

| | | Market Value• | | | | Marke Value |
|---|------------------------|------------------|----------|--|----------------------|----------------|
| | Shares | (\$000) | | | Shares | (\$000 |
| Morphic Holding Inc. | 594,232 | 17,161 | * | OraSure Technologies Inc. | 1,107,698 | 9,083 |
| Veradigm Inc. | 1,629,497 | 17,093 | *,1 * | Novavax Inc. | 1,857,725 | 8,917 |
| Sage Therapeutics Inc. | 774,359 | 16,780 | * | Travere Therapeutics Inc. | 986,637 | 8,870 |
| Kura Oncology Inc. Viridian Therapeutics Inc. | 1,166,602 765,362 | 16,776 16,670 | | Amylyx Pharmaceuticals Inc. National Research Corp. | 599,556 | 8,825 8,753 |
| RayzeBio Inc. | 266,077 | 16,670 | * | AdaptHealth Corp. Class A | 221,261 1,200,424 | 8,753 |
| LeMaitre Vascular Inc. | 200,077 | 16,542 | * | Icosavax Inc. | 554,604 | 8,741 |
| Brookdale Senior Living Inc. | 2,835,774 | 16,504 | *,1 | Altimmune Inc. | 776,639 | 8,737 |
| Harmony Biosciences Holdings Inc. | 498,577 | 16,104 | * | MacroGenics Inc. | 904,631 | 8,703 |
| Embecta Corp. | 849,848 | 16,088 | * | OmniAb Inc. | 1,395,356 | 8,609 |
| Avanos Medical Inc. | 693,911 | 15,564 | * | Fulgent Genetics Inc. | 296,740 | 8,579 |
| MiMedx Group Inc. | 1,730,276 | 15,175 | * | Castle Biosciences Inc. | 394,224 | 8,507 |
| Arcus Biosciences Inc. | 784,288 | 14,980 | * | Treace Medical Concepts Inc. | 664,694 | 8,475 |
| Kymera Therapeutics Inc. | 586,527 | 14,933 | * | ModivCare Inc. | 192,481 | 8,467 |
| Relay Therapeutics Inc. | 1,344,307 | 14,801 | * | Tarsus Pharmaceuticals Inc. | 414,257 | 8,389 |
| Geron Corp. | 6,928,820 | 14,620 | * | BioLife Solutions Inc. | 513,794 | 8,349 |
| Inhibrx Inc. | 382,499 | 14,535 | *,1 | Apogee Therapeutics Inc. | 298,001 | 8,326 |
| Pliant Therapeutics Inc. | 800,058 | 14,489 | * | Vera Therapeutics Inc. Class A | 534,577 | 8,222 |
| Collegium Pharmaceutical Inc. | 470,038 | 14,468 | * | Surmodics Inc. | 224,931 | 8,176 |
| MannKind Corp. | 3,960,964 | 14,418 | * | Adaptive Biotechnologies Corp. | 1,662,205 | 8,145 |
| ADMA Biologics Inc. | 3,130,198 | 14,148 | <u> </u> | Marinus Pharmaceuticals Inc. | 746,163 | 8,111 |
| Keros Therapeutics Inc. | 354,752 | 14,105 | * | Mesa Laboratories Inc. | 76,258 | 7,990 |
| Quanterix Corp. | 511,944 | 13,997 | * | Enhabit Inc. | 770,635 | 7,976 |
| Deciphera Pharmaceuticals Inc. | 867,019 | 13,985 | | OrthoPediatrics Corp. | 244,041 | 7,934 |
| Cytek Biosciences Inc. | 1,514,056 | 13,808 | * | Atrion Corp. | 20,849 | 7,897 |
| RxSight Inc. Scholar Rock Holding Corp. | 341,774 | 13,780 13,764 | * | Health Catalyst Inc. Kiniksa Pharmaceuticals Ltd. Class A | 852,732 448,044 | 7,890 7,859 |
| Innoviva Inc. | 732,147 847,586 | 13,595 | * | GoodRx Holdings Inc. Class A | 1,166,570 | 7,85 |
| Vir Biotechnology Inc. | 1,316,136 | 13,240 | * | Alector Inc. | 967,033 | 7,71 |
| ^{7,1} Cassava Sciences Inc. | 584,288 | 13,152 | * | PetIQ Inc. Class A | 385,606 | 7,616 |
| ANI Pharmaceuticals Inc. | 234,772 | 12,945 | *,1 | Tango Therapeutics Inc. | 755,651 | 7,48 |
| Alignment Healthcare Inc. | 1,502,439 | 12,936 | * | HilleVax Inc. | 466,044 | 7,480 |
| Éditas Medicine Inc. | 1,276,851 | 12,935 | * | Dyne Therapeutics Inc. | 560,103 | 7,449 |
| Zentalis Pharmaceuticals Inc. | 845,205 | 12,805 | * | Zimvie Inc. | 416,924 | 7,400 |
| Varex Imaging Corp. | 620,701 | 12,724 | * | Pulmonx Corp. | 576,140 | 7,340 |
| Accolade Inc. | 1,057,933 | 12,706 | * | Paragon 28 Inc. | 589,374 | 7,326 |
| Day One Biopharmaceuticals Inc. | 866,111 | 12,645 | * | Orthofix Medical Inc. | 541,502 | 7,299 |
| ^{,1} Cabaletta Bio Inc. | 549,179 | 12,466 | * | DocGo Inc. | 1,305,623 | 7,298 |
| EyePoint Pharmaceuticals Inc. | 528,857 | 12,222 | * | MaxCyte Inc. | 1,521,080 | 7,149 |
| Revance Therapeutics Inc. | 1,343,203 | 11,807 | * | Silk Road Medical Inc. | 576,141 | 7,069 |
| RAPT Therapeutics Inc. | 469,851 | 11,676 | * | Edgewise Therapeutics Inc. | 639,497 | 6,996 |
| SI-BONE Inc. | 553,188 | 11,611 | *,1 | Cargo Therapeutics Inc. | 302,109 | 6,994 |
| Cross Country Healthcare Inc. | 509,591 | 11,537 | * | Nurix Therapeutics Inc. | 677,350 | 6,990 |
| Arcturus Therapeutics Holdings Inc. | 362,192 | 11,420 | * | Definitive Healthcare Corp. Class A | 702,683 | 6,98 |
| Nevro Corp. | 530,009 | 11,406 | Ĩ | Evolus Inc. | 650,114 | 6,846 |
| ¹ ImmunityBio Inc. | 2,258,827 | 11,339 | | Caribou Biosciences Inc. | 1,188,817 | 6,812 |
| Pediatrix Medical Group Inc. | 1,212,967 | 11,281 | * | Replimune Group Inc. | 793,265 | 6,68 |
| CryoPort Inc. | 728,094 | 11,278 | * | Cogent Biosciences Inc. | 1,120,809 | 6,59 |
| Anavez Life Sciences Corp. | 1,204,329 | 11,212 | * | Savara Inc. | 1,366,733 | 6,42 |
| Olema Pharmaceuticals Inc. | 795,170 | 11,156 | * | Cerus Corp. Pennant Group Inc. | 2,860,886 | 6,18 |
| Simulations Plus Inc. | 244,753 | 10,953 | *,1 | ALX Oncology Holdings Inc. | 443,966 | 6,18 |
| Alpine Immune Sciences Inc. Maravai LifeSciences Holdings Inc. Class A | 573,017 | 10,922 | * | Community Health Systems Inc. | 411,842 | 6,13 |
| ^{,1} LifeStance Health Group Inc. | 1,641,089 1,367,858 | 10,749 10,710 | * | Avid Bioservices Inc. | 1,949,719 937,880 | 6,10 6,09 |
| REGENXBIO Inc. | 592,302 | 10,632 | * | Cullinan Oncology Inc. | 592,731 | 6,04 |
| 89bio Inc. | 948,366 | 10,593 | *,1 | Allogene Therapeutics Inc. | 1,874,591 | 6,01 |
| Disc Medicine Inc. | 180,983 | 10,454 | * | SomaLogic Inc. | 2,368,415 | 5,99 |
| Verve Therapeutics Inc. | 731,786 | 10,404 | * | ORIC Pharmaceuticals Inc. | 646,955 | 5,95 |
| Artivion Inc. | 568,947 | 10,201 | * | American Well Corp. Class A | 3,927,914 | 5,85 |
| HealthStream Inc. | 369,988 | 10,001 | * | Sana Biotechnology Inc. | 1,412,124 | 5,76 |
| CareDx Inc. | 822,434 | 9,869 | * | AnaptysBio Inc. | 268,589 | 5,75 |
| OPKO Health Inc. | 6,425,774 | 9,703 | * | Multiplan Corp. | 3,972,628 | 5,72 |
| Amneal Pharmaceuticals Inc. | 1,565,530 | 9,503 | *,1 | Immunome Inc. | 520,857 | 5,57 |
| ^{,1} Liquidia Corp. | 780,374 | 9,388 | *,1 | Theravance Biopharma Inc. | 493,808 | 5,55 |
| ¹ Soleno Therapeutics Inc. | 231,926 | 9,335 | * | Aura Biosciences Inc. | 625,125 | 5,53 |
| 4D Molecular Therapeutics Inc. | 460,330 | 9,326 | * | AN2 Therapeutics Inc. | 266,753 | 5,46 |
| Avidity Biosciences Inc. | 1,027,349 | 9,298 | | iRadimed Corp. | 114,230 | 5,42 |

| | | Market Value• | | | | Market Value• |
|--|--------------------|------------------|------------|--|----------------------|------------------|
| | Shares | (\$000) | | | Shares | (\$000) |
| Talkspace Inc. | 2,109,352 | 5,358 | * | Akebia Therapeutics Inc. | 2,602,859 | 3,228 |
| Ocular Therapeutix Inc. | 1,187,296 | 5,295 | * | Y-mAbs Therapeutics Inc. | 467,252 | 3,187 |
| Avita Medical Inc. | 383,650 | 5,264 | *,1 * | | 257,244 | 3,149 |
| Sharecare Inc. | 4,858,465 | 5,247 | * | TScan Therapeutics Inc. | 535,193 | 3,120 |
| Anika Therapeutics Inc. | 230,873 | 5,232 | *,1 | Codexis Inc. | 1,012,856 | 3,089 |
| Astria Therapeutics Inc. | 676,567 | 5,196 | , י *,1 | Enleage cen merupeaties me. | 2,814,846 | 3,068 |
| ^{.1} Prime Medicine Inc. CVRx Inc. | 581,890 | 5,156 | , ' | emeree eerp. | 935,998 | 3,061 |
| Harrow Inc. | 163,802 459,070 | 5,150 5,142 | *,1 | SIGA Technologies Inc. Invivyd Inc. | 543,594 772,171 | 3,044 3,042 |
| KalVista Pharmaceuticals Inc. | 418,295 | 5,142 | * | Praxis Precision Medicines Inc. | 135,958 | 3,042 |
| ^{,1} Biomea Fusion Inc. | 350,703 | 5,092 | * | Biote Corp. Class A | 607,184 | 2,999 |
| Tactile Systems Technology Inc. | 352,892 | 5,046 | * | Zevra Therapeutics Inc. | 456,805 | 2,992 |
| ¹ Arcutis Biotherapeutics Inc. | 1,553,202 | 5,017 | * | Augmedix Inc. | 508,063 | 2,972 |
| ¹ Clover Health Investments Corp. Class A | 5,211,712 | 4,962 | *,1 | | 360,608 | 2,935 |
| AngioDynamics Inc. | 631,882 | 4,954 | * | InfuSystem Holdings Inc. | 277,339 | 2,923 |
| Gyre Therapeutics Inc. | 192,756 | 4,952 | * | Harvard Bioscience Inc. | 541,041 | 2,895 |
| Tourmaline Bio Inc. | 188,724 | 4,941 | * | Inozyme Pharma Inc. | 679,651 | 2,895 |
| WaVe Life Sciences Ltd. | 972,693 | 4,912 | *,1 | | 768,400 | 2,889 |
| Fulcrum Therapeutics Inc. | 723,720 | 4,885 | *,2 | ² PDL BioPharma Inc. | 1,757,467 | 2,830 |
| ^{,1} Summit Therapeutics Inc. | 1,833,035 | 4,784 | *,1 | Tyra Biosciences Inc. | 204,211 | 2,828 |
| ^{,1} Phathom Pharmaceuticals Inc. | 515,707 | 4,708 | *,1 | | 260,788 | 2,798 |
| Xeris Biopharma Holdings Inc. | 1,992,277 | 4,682 | * | Nkarta Inc. | 423,359 | 2,794 |
| ^{,1} Esperion Therapeutics Inc. | 1,548,929 | 4,631 | * | Taysha Gene Therapies Inc. | 1,574,468 | 2,787 |
| Coherus Biosciences Inc. | 1,386,427 | 4,617 | *,1 | Harpoon Therapeutics Inc. | 243,339 | 2,767 |
| Lyell Immunopharma Inc. | 2,326,975 | 4,514 | * | Allakos Inc. | 1,009,952 | 2,757 |
| ^{,1} Scilex Holding Co. | 2,196,019 | 4,480 | * | Nuvation Bio Inc. | 1,822,077 | 2,751 |
| uniQure NV | 661,493 | 4,478 | * | Merrimack Pharmaceuticals Inc. | 203,398 | 2,728 |
| Fate Therapeutics Inc. | 1,183,817 | 4,427 | *,1 | thetagent merapedilee mer | 523,901 | 2,693 |
| ¹ Neumora Therapeutics Inc. | 257,011 | 4,382 | *,1 | Zomodiod oorp: | 13,413,683 | 2,685 |
| Organogenesis Holdings Inc. Class A | 1,063,924 | 4,351 | *,1 * | | 1,919,822 | 2,649 |
| Axogen Inc. | 634,944 | 4,337 | * | Enanta Pharmaceuticals Inc. | 280,040 | 2,635 |
| Entrada Therapeutics Inc. | 287,212 | 4,334 | * | Gossamer Bio Inc. | 2,866,985 | 2,616 |
| Agenus Inc. | 5,229,774 | 4,330 | * | Aldeyra Therapeutics Inc. | 735,041 | 2,580 |
| iTeos Therapeutics Inc. | 391,052 | 4,282 | * | Annexon Inc. | 567,390 | 2,576 |
| Ennivent merupedules me. | 309,070 | 4,278 | *,1 | Bioventus Inc. Class A | 488,385 | 2,574 |
| | 217,052 | 4,263 | י , *,1 | i reelgen me. | 1,911,098 | 2,561 |
| 23andMe Holding Co. Class A | 4,659,980 | 4,257 | * | | 1,239,523 | 2,529 |
| Arbutus Biopharma Corp. | 1,699,643 | 4,249 | *,1 | Standard BioTools Inc. | 1,140,567 | 2,521 |
| ochocomes noidings me. | 7,311,426 | 4,168 | * | IGM Biosciences Inc. Erasca Inc. | 298,948 | 2,484 |
| ¹ Aerovate Therapeutics Inc. ¹ ARS Pharmaceuticals Inc. | 183,598 756,587 | 4,155 | *,1 | | 1,163,464 | 2,478 2,474 |
| Utah Medical Products Inc. | 48,796 | 4,146 4,110 | * | Computer Programs & Systems Inc. | 1,231,019 220,691 | 2,474 |
| Accuray Inc. | 1,445,720 | 4,110 | * | Puma Biotechnology Inc. | 570,698 | 2,472 |
| ^{,1} Korro Bio Inc. | 84,896 | 4,051 | *,1 | | 1,603,104 | 2,471 |
| Agiliti Inc. | 509,969 | 4,039 | * | Ovid therapeutics Inc. | 756,183 | 2,435 |
| Outset Medical Inc. | 739,581 | 4,001 | * | Monte Rosa Therapeutics Inc. | 428,201 | 2,400 |
| ^{,1} Genelux Corp. | 284,060 | 3,980 | * | Applied Therapeutics Inc. | 718,383 | 2,407 |
| ¹ Orchestra BioMed Holdings Inc. | 420,876 | 3,843 | * | Humacyte Inc. | 847,058 | 2,406 |
| ^{,1} Shattuck Labs Inc. | 524,658 | 3,741 | *,1 | | 164,135 | 2,391 |
| OptimizeRx Corp. | 260,729 | 3,731 | *,1 | | 538,980 | 2,328 |
| Atea Pharmaceuticals Inc. | 1,212,939 | 3,699 | *,1 | | 2,150,862 | 2,323 |
| ¹ C4 Therapeutics Inc. | 654,520 | 3,698 | *,1 | | 3,688,951 | 2,312 |
| Vanda Pharmaceuticals Inc. | 870,631 | 3,674 | * | Sight Sciences Inc. | 440,384 | 2,272 |
| Voyager Therapeutics Inc. | 432,867 | 3,653 | * | Third Harmonic Bio Inc. | 204,820 | 2,247 |
| Rigel Pharmaceuticals Inc. | 2,415,756 | 3,503 | *,1 | | 474,460 | 2,216 |
| Mersana Therapeutics Inc. | 1,496,337 | 3,472 | * | ClearPoint Neuro Inc. | 318,881 | 2,165 |
| ¹ Terns Pharmaceuticals Inc. | 532,520 | 3,456 | * | Lexeo Therapeutics Inc. | 161,307 | 2,165 |
| ACELYRIN Inc. | 461,739 | 3,445 | *,1 | PDS Biotechnology Corp. | 431,144 | 2,143 |
| Sutro Biopharma Inc. | 794,858 | 3,410 | * | Larimar Therapeutics Inc. | 469,540 | 2,136 |
| ¹ 2seventy bio Inc. | 797,916 | 3,407 | *,1 | | 289,249 | 2,117 |
| ¹ Heron Therapeutics Inc. | 1,995,914 | 3,393 | *,1 | Immuneering Corp. Class A | 287,918 | 2,116 |
| Semler Scientific Inc. | 75,585 | 3,348 | * | Compass Therapeutics Inc. | 1,342,627 | 2,095 |
| ¹ Zynex Inc. | 306,075 | 3,333 | * | Joint Corp. | 214,460 | 2,061 |
| ¹ LifeMD Inc. | 401,560 | 3,329 | *,1 | | 551,691 | 2,019 |
| Poseida Therapeutics Inc. Class A | 984,240 | 3,307 | *,1 | | 380,755 | 2,003 |
| Phibro Animal Health Corp. Class A | 281,737 | 3,263 | * | Nautilus Biotechnology Inc. Class A | 658,670 | 1,969 |
| ^{,1} Absci Corp. | 775,257 | 3,256 | * | Lyra Therapeutics Inc. | 375,661 | 1,968 |

| | | | Market Value• | | | | Market Value• |
|----------|---|----------------------|------------------|------------|--|----------------------|------------------|
| | | Shares | (\$000) | | | Shares | (\$000) |
| * | Black Diamond Therapeutics Inc. | 681,201 | 1,914 | *,1 | Asensus Surgical Inc. | 3,398,802 | 1,084 |
| *,1 | scPharmaceuticals Inc. | 305,088 | 1,913 | * | FibroGen Inc. | 1,214,955 | 1,077 |
| * | Seres Therapeutics Inc. | 1,361,249 | 1,906 | *,1 * | Vaxart Inc. | 1,872,506 | 1,073 |
| *,1 | XOMA Corp. Annovis Bio Inc. | 102,406 101,298 | 1,895 1,894 | * | Electromed Inc. SCYNEXIS Inc. | 98,146 479,862 | 1,071 1,070 |
| * | G1 Therapeutics Inc. | 614,860 | 1,875 | * | ChromaDex Corp. | 747,814 | 1,070 |
| *,1 | Inmune Bio Inc. | 165,874 | 1,868 | * | Design Therapeutics Inc. | 399,505 | 1,059 |
| * | Tenaya Therapeutics Inc. | 572,369 | 1,854 | * | Conduit Pharmaceuticals Inc. | 231,299 | 1,052 |
| *,1 | Actinium Pharmaceuticals Inc. | 364,779 | 1,853 | * | Curis Inc. | 81,306 | 1,037 |
| * | FONAR Corp. | 94,631 | 1,851 | * | Inotiv Inc. | 278,037 | 1,020 |
| * | Inogen Inc. | 331,291 | 1,819 | * | Sangamo Therapeutics Inc. | 1,876,120 | 1,019 |
| *,1 | Acumen Pharmaceuticals Inc. CEL - SCI Corp. | 472,172 | 1,813 | 1 | Seer Inc. Class A | 517,365 | 1,004 |
| *,1 | Ocugen Inc. | 665,733 3,138,869 | 1,811 1,805 | * | Carisma Therapeutics Inc. Century Therapeutics Inc. | 342,628 299,597 | 1,004 995 |
| * | Inovio Pharmaceuticals Inc. | 3,470,978 | 1,770 | *,1 | Achieve Life Sciences Inc. | 240,138 | 989 |
| * | Capricor Therapeutics Inc. | 354,443 | 1,733 | * | Theseus Pharmaceuticals Inc. | 241,475 | 978 |
| * | Emergent BioSolutions Inc. | 719,861 | 1,728 | *,1 | Bionano Genomics Inc. | 505,292 | 955 |
| * | Foghorn Therapeutics Inc. | 265,887 | 1,715 | * | aTyr Pharma Inc. | 662,206 | 934 |
| * | Ventyx Biosciences Inc. | 676,940 | 1,672 | * | PepGen Inc. | 137,095 | 932 |
| * | Aveanna Healthcare Holdings Inc. | 619,532 | 1,660 | * | XBiotech Inc. | 231,371 | 925 |
| * | PMV Pharmaceuticals Inc. | 532,146 | 1,650 | * | Adverum Biotechnologies Inc. | 1,225,295 | 922 |
| *,1 | Anixa Biosciences Inc. Sera Prognostics Inc. Class A | 420,658 265,885 | 1,632 1,590 | * | Jasper Therapeutics Inc. MediciNova Inc. | 1,160,011 607,734 | 915 912 |
| * | Sanara Medtech Inc. | 38,451 | 1,590 | *,1 | Cutera Inc. | 255,224 | 912 |
| * | Cue Biopharma Inc. | 597,569 | 1,578 | *,1 | Delcath Systems Inc. | 212,669 | 885 |
| * | GlycoMimetics Inc. | 651,187 | 1,537 | *,1 | Cardiff Oncology Inc. | 590,707 | 874 |
| * | Abeona Therapeutics Inc. | 305,507 | 1,531 | *,1 | Ocuphire Pharma Inc. | 288,947 | 870 |
| * | Mineralys Therapeutics Inc. | 177,068 | 1,523 | * | Eyenovia Inc. | 417,777 | 869 |
| * | X4 Pharmaceuticals Inc. | 1,807,457 | 1,516 | *,1 * | Bioxcel Therapeutics Inc. | 293,322 | 865 |
| | Stereotaxis Inc. | 865,763 | 1,515 | * | Spero Therapeutics Inc. | 587,342 | 863 |
| * | Nektar Therapeutics Class A | 2,676,857 | 1,512 | * | Enzo Biochem Inc. | 618,881 | 860 |
| *,1 | Tela Bio Inc. Citius Pharmaceuticals Inc. | 226,799 1,957,895 | 1,501 1,481 | * | Oncology Institute Inc. Prelude Therapeutics Inc. | 416,922 198,015 | 851 846 |
| * | Innovage Holding Corp. | 244,957 | 1,470 | *,1 | Spyre Therapeutics Inc. | 38,818 | 835 |
| * | CytomX Therapeutics Inc. | 946,563 | 1,467 | * | Cidara Therapeutics Inc. | 1,047,746 | 832 |
| *,1 | Atossa Therapeutics Inc. | 1,664,345 | 1,465 | * | Omega Therapeutics Inc. | 275,181 | 828 |
| * | Relmada Therapeutics Inc. | 353,625 | 1,464 | * | Clearside Biomedical Inc. | 707,220 | 827 |
| *,1 | AEON Biopharma Inc. | 202,540 | 1,458 | *,1 * | ProPhase Labs Inc. | 181,391 | 820 |
| * | Syros Pharmaceuticals Inc. | 184,890 | 1,440 | * | Adicet Bio Inc. | 433,904 | 820 |
| * | NeuroPace Inc. | 137,953 | 1,422 1,400 | * | Aclaris Therapeutics Inc. | 777,632 150,918 | 817 789 |
| *,1 | Mural Oncology plc Assertio Holdings Inc. | 236,526 1,307,570 | 1,400 | *,1 | Eagle Pharmaceuticals Inc. ProKidney Corp. Class A | 442,096 | 789 |
| * | Kodiak Sciences Inc. | 458,129 | 1,393 | *,1 | Immunic Inc. | 519,880 | 780 |
| * | Karyopharm Therapeutics Inc. | 1,568,362 | 1,357 | *,1 | Tempest Therapeutics Inc. | 174,007 | 766 |
| *,1 | TriSalus Life Sciences Inc. | 160,000 | 1,352 | * | Corvus Pharmaceuticals Inc. | 428,240 | 754 |
| * | Eton Pharmaceuticals Inc. | 307,580 | 1,347 | * | Graphite Bio Inc. | 287,441 | 753 |
| * | BioAtla Inc. | 545,526 | 1,342 | *,1 | Sagimet Biosciences Inc. Class A | 138,115 | 749 |
| * | Longboard Pharmaceuticals Inc. | 221,401 | 1,335 | *,1 *,1 | Hyperfine Inc. Class A | 665,890 | 746 |
| * | Aquestive Therapeutics Inc. Akoya Biosciences Inc. | 658,878 271,764 | 1,331 1,326 | *,1 | Immix Biopharma Inc. Beyond Air Inc. | 107,419 374,314 | 743 734 |
| *,1 | Reviva Pharmaceuticals Holdings Inc. | 252,419 | 1,320 | * | Avrobio Inc. | 537,481 | 734 |
| * | Chimerix Inc. | 1,308,906 | 1,260 | * | Kezar Life Sciences Inc. | 764,730 | 725 |
| * | Perspective Therapeutics Inc. | 3,105,489 | 1,248 | * | Solid Biosciences Inc. | 116,243 | 714 |
| * | KORU Medical Systems Inc. | 506,625 | 1,244 | * | Biodesix Inc. | 384,059 | 707 |
| * | Optinose Inc. | 948,209 | 1,223 | * | DiaMedica Therapeutics Inc. | 247,802 | 704 |
| *,1 * | Renovaro Biosciences Inc. | 378,409 | 1,200 | * | Kronos Bio Inc. | 559,541 | 699 |
| * *,1 | Generation Bio Co. | 718,076 | 1,185 | *,1 | Great Elm Group Inc. | 358,816 | 696 |
| * | AirSculpt Technologies Inc. | 156,689 403,878 | 1,174 | *,1 | DermTech Inc. | 397,288 | 695 694 |
| * | Neuronetics Inc. Cartesian Therapeutics Inc. | 403,878 1,696,040 | 1,171 1,169 | *,1 | Pyxis Oncology Inc. Outlook Therapeutics Inc. | 385,415 1,758,399 | 694 693 |
| *,1 | Vor BioPharma Inc. | 519,630 | 1,169 | *,1 | Atara Biotherapeutics Inc. | 1,340,523 | 687 |
| * | Myomo Inc. | 228,288 | 1,144 | *,1 | Leap Therapeutics Inc. | 162,591 | 674 |
| * | Personalis Inc. | 539,279 | 1,132 | * | Kewaunee Scientific Corp. | 23,122 | 672 |
| * | Galectin Therapeutics Inc. | 670,160 | 1,112 | * | Forian Inc. | 229,226 | 670 |
| * | Werewolf Therapeutics Inc. | 288,006 | 1,112 | * | GeneDx Holdings Corp. Class A | 241,389 | 664 |
| * | Athira Pharma Inc. | 452,018 | 1,098 | *,1 | Trevi Therapeutics Inc. | 493,328 | 661 621 |
| | Apyx Medical Corp. | 414,663 | 1,086 | | CytoSorbents Corp. | 568,233 | 631 |

| | | | Market Value• | | | | Market Value• |
|-----------|---|----------------------|------------------|----------|---|--------------------|------------------|
| | | Shares | (\$000) | | | Shares | (\$000) |
| *,1 | Matinas BioPharma Holdings Inc. | 2,919,345 | 631 | *,1 | BioSig Technologies Inc. | 687,882 | 327 |
| * | Journey Medical Corp. | 109,083 | 628 | * *,1 | Homology Medicines Inc. | 535,943 | 326 |
| * | Ikena Oncology Inc. | 318,152 | 627 | *,1 | NeuroOne Medical Technologies Corp. | 205,179 | 324 |
| *,1 | Kinnate Biopharma Inc. Carmell Corp. | 264,345 167,084 | 626 620 | * | Bright Green Corp. Eliem Therapeutics Inc. | 968,476 119,083 | 320 319 |
| *,1 | DarioHealth Corp. | 354,974 | 611 | * | ElectroCore Inc. | 54,676 | 319 |
| * | Assembly Biosciences Inc. | 729,852 | 599 | *,1 | Aspira Women's Health Inc. | 77,703 | 317 |
| *,1 | Greenwich Lifesciences Inc. | 56,481 | 594 | * | Societal CDMO Inc. | 890,262 | 312 |
| * | Rallybio Corp. | 248,743 | 594 | * | Cellectar Biosciences Inc. | 110,399 | 306 |
| * | Co-Diagnostics Inc. | 444,776 | 592 | * | Instil Bio Inc. | 40,207 | 306 |
| * | Rockwell Medical Inc. | 312,336 | 590 | *,1 * | Quince Therapeutics Inc. | 287,348 | 302 |
| *,1 | Allovir Inc. | 858,612 | 584 | *,1 | Rain Oncology Inc. | 250,603 | 301 |
| * | Cardio Diagnostics Holdings Inc. Vigil Neuroscience Inc. | 232,139 170,238 | 578 575 | * | Accelerate Diagnostics Inc. Singular Genomics Systems Inc. | 76,553 649,099 | 300 299 |
| * | iCAD Inc. | 319,228 | 575 565 | * | Armata Pharmaceuticals Inc. | 90,978 | 299 |
| * | Hookipa Pharma Inc. | 692,759 | 561 | * | Dare Bioscience Inc. | 946,086 | 292 |
| *,1 | Acurx Pharmaceuticals Inc. | 145,537 | 557 | * | Exagen Inc. | 141,951 | 282 |
| *,1 | Checkpoint Therapeutics Inc. | 242,152 | 555 | *,1 | Fortress Biotech Inc. | 93,521 | 282 |
| * | Acrivon Therapeutics Inc. | 110,293 | 543 | *,1 | T2 Biosystems Inc. | 44,433 | 279 |
| * | enVVeno Medical Corp. | 104,973 | 540 | * | Alpha Teknova Inc. | 74,094 | 276 |
| * | Spruce Biosciences Inc. | 183,832 | 539 | * | TherapeuticsMD Inc. | 122,234 | 275 |
| * | Cyteir Therapeutics Inc. | 169,688 | 516 | * | Retractable Technologies Inc. | 246,784 | 274 |
| * | CareMax Inc. | 1,028,756 | 513 | * | AIM ImmunoTech Inc. | 620,229 | 273 |
| * | NanoString Technologies Inc. Rezolute Inc. | 679,551 | 509 508 | *,1 | Streamline Health Solutions Inc. | 630,999 | 268 265 |
| *,1 | Nutex Health Inc. | 512,314 2,816,650 | 508 507 | * | Intensity Therapeutics Inc. Protara Therapeutics Inc. | 30,978 140,668 | 265 263 |
| * | P3 Health Partners Inc. | 355.045 | 507 | *,1 | SAB Biotherapeutics Inc. | 375,395 | 203 |
| * | Aadi Bioscience Inc. | 247,520 | 500 | * | Gain Therapeutics Inc. | 78,870 | 258 |
| * | Sensus Healthcare Inc. | 207,423 | 490 | * | Dyadic International Inc. | 159,188 | 256 |
| * | NGM Biopharmaceuticals Inc. | 560,237 | 481 | *,1 | Senti Biosciences Inc. Class A | 386,899 | 255 |
| * | Cara Therapeutics Inc. | 645,753 | 480 | | Psychemedics Corp. | 85,868 | 254 |
| *,1 | Marker Therapeutics Inc. | 87,137 | 479 | * | Xtant Medical Holdings Inc. | 221,041 | 250 |
| * | Vaxxinity Inc. Class A | 562,125 | 478 | * | ARCA biopharma Inc. | 141,432 | 240 |
| *,1 | Nuvectis Pharma Inc. | 57,030 | 476 | * | Onconova Therapeutics Inc. | 321,970 | 240 |
| ,' *,1 | Palatin Technologies Inc. | 118,739 48,661 | 473 470 | * | Elicio Therapeutics Inc. NextCure Inc. | 27,752 | 231 |
| * | Sonida Senior Living Inc. LENSAR Inc. | 133,235 | 470 | *,1 | Predictive Oncology Inc. | 201,978 69,881 | 230 230 |
| * | Neurogene Inc. | 23,979 | 408 | *,1 | Cyclo Therapeutics Inc. | 144,172 | 230 |
| * | IRIDEX Corp. | 164,113 | 461 | *,1 | Alaunos Therapeutics Inc. | 3,070,777 | 217 |
| 1 | MEI Pharma Inc. | 79,554 | 461 | *,1 | Durect Corp. | 363,771 | 215 |
| * | Minerva Neurosciences Inc. | 74,257 | 457 | * | Candel Therapeutics Inc. | 145,874 | 214 |
| * | Ekso Bionics Holdings Inc. | 179,455 | 449 | *,1 | Biomerica Inc. | 169,010 | 211 |
| * | Reneo Pharmaceuticals Inc. | 278,541 | 446 | *,1 | Oncocyte Corp. | 84,999 | 211 |
| * | Milestone Scientific Inc. | 644,533 | 445 | *,1 * | NRX Pharmaceuticals Inc. | 449,071 | 207 |
| *,1 | Passage Bio Inc. | 440,574 | 445 | * | Vincerx Pharma Inc. | 173,353 | 205 |
| * | VolitionRX Ltd. Lantern Pharma Inc. | 615,921 99,265 | 442 425 | * | Lipocine Inc. Dominari Holdings Inc. | 74,283 77,916 | 205 202 |
| * | HeartBeam Inc. | 171,331 | 423 | * | Cue Health Inc. | 1,223,161 | 199 |
| * | Eledon Pharmaceuticals Inc. | 222,157 | 400 | *,1 | Clene Inc. | 665,776 | 197 |
| *,1 | Coya Therapeutics Inc. | 53,056 | 393 | * | Vivani Medical Inc. | 193,451 | 197 |
| *,1 | SELLAS Life Sciences Group Inc. | 368,775 | 391 | * | American Shared Hospital Services | 81,025 | 193 |
| * | Moleculin Biotech Inc. | 454,705 | 390 | *,1 | Cosmos Health Inc. | 134,834 | 190 |
| * | Pro-Dex Inc. | 22,090 | 384 | *,1 | BioVie Inc. Class A | 147,637 | 186 |
| *,1 * | Rani Therapeutics Holdings Inc. Class A | 113,686 | 377 | * | Molecular Templates Inc. | 49,888 | 185 |
| * | UNITY Biotechnology Inc. | 194,785 | 376 | | Bolt Biotherapeutics Inc. | 164,316 | 184 |
| * | Corbus Pharmaceuticals Holdings Inc. | 62,059 | 375 | *,1 * | KALA BIO Inc. | 26,296 | 184 |
| * | Dianthus Therapeutics Inc. Champions Oncology Inc. | 36,059 69,171 | 375 374 | * | Science 37 Holdings Inc. Kineta Inc. | 34,509 51,504 | 184 183 |
| *,1 | IN8bio Inc. | 266,560 | 374 368 | *,1 | Biora Therapeutics Inc. | 135,901 | 183 |
| * | Vicarious Surgical Inc. Class A | 969,320 | 355 | * | Aligos Therapeutics Inc. | 274,065 | 182 |
| * | Cognition Therapeutics Inc. | 191,136 | 354 | * | CareCloud Inc. | 119,857 | 182 |
| *,1 | Owlet Inc. | 65,981 | 348 | *,1 | IGC Pharma Inc. | 630,222 | 177 |
| * | ImmuCell Corp. | 66,638 | 337 | * | Microbot Medical Inc. | 108,034 | 177 |
| * | Precision BioSciences Inc. | 913,583 | 333 | *,1 | Cano Health Inc. | 29,930 | 176 |
| * | Oncternal Therapeutics Inc. | 621,232 | 333 | * | Equillium Inc. | 242,412 | 175 |
| | Celularity Inc. Class A | 1,338,454 | 331 | *,1 * | Surrozen Inc. | 18,127 | 172 |
| * | PAVmed Inc. | 79,689 | 328 | | Synlogic Inc. | 42,476 | 164 |

| | | | Market Value• | | | | Market Value• |
|----------|--|--------------------|------------------|------------|--|--------------------|------------------|
| | | Shares | (\$000) | | | Shares | (\$000) |
| * | Elevation Oncology Inc. | 303,179 | 163 | *,1 | Creative Medical Technology Holdings Inc. | 17,629 | 80 |
| * | PharmaCyte Biotech Inc. | 74,919 | 162 | *,1 * | Processa Pharmaceuticals Inc. | 234,653 | 79 |
| | Pieris Pharmaceuticals Inc. | 885,502 | 161 | * | Coeptis Therapeutics Holdings | 100,759 | 79 |
| * | Viracta Therapeutics Inc. | 282,488 | 161 | * | Cyclerion Therapeutics Inc. | 23,490 | 79 |
| * | Hepion Pharmaceuticals Inc. | 48,908 | 160 | *,1 | SunLink Health Systems Inc. | 83,942 | 78 |
| *,1 | Lumos Pharma Inc. NanoViricides Inc. | 50,828 154,515 | 159 158 | * | Aytu BioPharma Inc. Anebulo Pharmaceuticals Inc. | 27,251 32,003 | 77 77 |
| * | Lisata Therapeutics Inc. | 57,596 | 158 | *,1 | Seelos Therapeutics Inc. | 32,003 55,373 | 77 |
| *,1 | Regulus Therapeutics Inc. | 121,722 | 156 | *,1 | Ocean Biomedical Inc. | 113,209 | 75 |
| *,1 | Turnstone Biologics Corp. | 61,126 | 156 | * | TFF Pharmaceuticals Inc. | 10,750 | 75 |
| *,1 | NightHawk Biosciences Inc. | 352,600 | 155 | *,1 | CNS Pharmaceuticals Inc. | 58,369 | 74 |
| * | Galecto Inc. | 212,689 | 153 | *,1 | INVO BioScience Inc. | 54,058 | 73 |
| *,1 | Acorda Therapeutics Inc. | 10,438 | 152 | *,1 | Alzamend Neuro Inc. | 78,545 | 72 |
| * | Orgenesis Inc. | 300,650 | 151 | * | Edesa Biotech Inc. | 15,702 | 72 |
| * | Femasys Inc. | 155,261 | 151 | * | Sensei Biotherapeutics Inc. | 97,704 | 68 |
| * | Cumberland Pharmaceuticals Inc. | 84,244 | 147 | *,1 | Galera Therapeutics Inc. | 448,330 | 65 |
| * | Genprex Inc. | 598,971 | 138 | * | Lucid Diagnostics Inc. | 46,125 | 65 |
| *,1 | Aprea Therapeutics Inc. | 28,562 | 134 | * | Pulmatrix Inc. | 35,082 | 65 |
| * | CervoMed Inc. | 19,318 | 134 | * | Precision Optics Corp. Inc. | 10,488 | 65 |
| *,1 | Novo Integrated Sciences Inc. | 163,777 | 134 | * | Avinger Inc. | 23,802 | 65 |
| *,1 | Elutia Inc. | 61,591 | 133 | *,1 * | PetVivo Holdings Inc. | 59,855 | 63 |
| ÷ | Vivos Therapeutics Inc. | 10,579 | 132 | | Finch Therapeutics Group Inc. | 16,234 | 59 |
| * | Strata Skin Sciences Inc. | 235,454 | 130 | *,1 | Bullfrog Al Holdings Inc. | 18,100 | 59 |
| * | RenovoRx Inc. | 56,578 | 130 | *,1 * | Lexaria Bioscience Corp. | 46,241 | 58 |
| *,1 | Cocrystal Pharma Inc. | 76,721 | 130 | * | Plus Therapeutics Inc. | 32,541 | 58 |
| *,1 | Know Labs Inc. | 254,986 | 130 | *,1 | Acutus Medical Inc. | 278,220 | 56 |
| * | Organovo Holdings Inc. Class A BioCardia Inc. | 114,640 | 127 | * | Hoth Therapeutics Inc. | 38,804 25,526 | 56 54 |
| *,1 | Bio-Path Holdings Inc. | 189,240 270,029 | 126 125 | * | Nexgel Inc. Benitec Biopharma Inc. | 16,701 | 54 54 |
| *,1 | eFFECTOR Therapeutics Inc. | 264,836 | 125 | * | NeuroMetrix Inc. | 15,124 | 54 54 |
| * | Forte Biosciences Inc. | 149,484 | 124 | *,1 | Atreca Inc. Class A | 393,228 | 54 |
| *,1 | Aileron Therapeutics Inc. | 40,314 | 123 | * | Trevena Inc. | 72,355 | 51 |
| * | Eiger BioPharmaceuticals Inc. | 540,723 | 120 | *,1 | Tenax Therapeutics Inc. | 186,046 | 51 |
| *,1 | Virios Therapeutics Inc. | 208,883 | 120 | * | Oragenics Inc. | 8,737 | 49 |
| * | Eargo Inc. | 45,480 | 118 | *,1 | Cingulate Inc. | 6,351 | 49 |
| *,1 | Biotricity Inc. | 99,728 | 118 | * | Indaptus Therapeutics Inc. | 27,068 | 48 |
| *,1 | SeaStar Medical Holding Corp. | 261,671 | 116 | * | Akili Inc. Class A | 101,371 | 48 |
| *,1 | VYNE Therapeutics Inc. | 48,578 | 113 | *,1 | Eterna Therapeutics Inc. | 26,099 | 47 |
| * | Precipio Inc. | 17,645 | 112 | *,1 | Neuraxis Inc. | 17,745 | 47 |
| *,1 | BrainStorm Cell Therapeutics Inc. | 401,014 | 109 | *,1 | Tracon Pharmaceuticals Inc. | 262,772 | 46 |
| *,1 | VBI Vaccines Inc. | 184,436 | 108 | * | HCW Biologics Inc. | 37,451 | 46 |
| *,1 | Applied DNA Sciences Inc. | 173,534 | 107 | *,1 | Aethlon Medical Inc. | 21,224 | 46 |
| *,1 | MyMD Pharmaceuticals Inc. | 410,666 | 106 | *,1 | Petros Pharmaceuticals Inc. | 31,811 | 45 |
| ~ * 1 | Cryo-Cell International Inc. | 18,318 | 105 | *,1 | Telesis Bio Inc. | 110,770 | 44 |
| *,1 * | GeoVax Labs Inc. | 288,573 | 104 | *,1 * 1 | AcelRx Pharmaceuticals Inc. | 59,697 | 44 |
| *,1 | AgeX Therapeutics Inc. | 262,604 | 101 | *,1 *,1 | Tonix Pharmaceuticals Holding Corp. | 108,143 | 44 |
| *,1 | Nutriband Inc. | 43,254 | 101 | *,1 | Palisade Bio Inc. | 68,054 20,477 | 40 |
| *,1 | Unicycive Therapeutics Inc. ProSomnus Inc. | 115,057 102,103 | 100 100 | *,1 | Agile Therapeutics Inc. Aravive Inc. | 20,477 315,214 | 40 39 |
| * | Mustang Bio Inc. | 73,419 | 99 | *,1 | Better Therapeutics Inc. | 315,214 198,154 | 39 39 |
| *,1 | MSP Recovery Inc. | 43,627 | 99 | *,1 | Soligenix Inc. | 50,865 | 39 |
| *,1 | Helius Medical Technologies Inc. Class A | 12,598 | 97 | * | Tenon Medical Inc. | 23,854 | 39 |
| *,1 | AquaBounty Technologies Inc. | 34,020 | 97 | * | Venus Concept Inc. | 32,438 | 38 |
| * | ATI Physical Therapy Inc. | 15,662 | 96 | *,1 | NeuroBo Pharmaceuticals Inc. | 9,738 | 36 |
| *,1 | Star Equity Holdings Inc. | 93,272 | 95 | * | BioRestorative Therapies Inc. | 20,472 | 35 |
| * | Talis Biomedical Corp. | 12,746 | 95 | *,1 | Lipella Pharmaceuticals Inc. | 34,520 | 35 |
| *,1 | MAIA Biotechnology Inc. | 80,659 | 94 | * | NanoVibronix Inc. | 30,194 | 35 |
| * | MiNK Therapeutics Inc. | 85,953 | 92 | *,1 | Xenetic Biosciences Inc. | 9,797 | 35 |
| *,1 | Longeveron Inc. Class A | 65,090 | 89 | *,1 | Regional Health Properties Inc. | 16,970 | 34 |
| * | Xilio Therapeutics Inc. | 160,024 | 88 | *,1 | Titan Pharmaceuticals Inc. | 82,051 | 34 |
| * | Tivic Health Systems Inc. | 47,981 | 88 | * | Imunon Inc. | 48,806 | 33 |
| *,1 | vTv Therapeutics Inc. Class A | 7,654 | 88 | *,1 | ABVC BioPharma Inc. | 27,247 | 32 |
| * | Rapid Micro Biosystems Inc. Class A | 116,215 | 86 | * | Evoke Pharma Inc. | 29,851 | 31 |
| *,1 | Sientra Inc. | 139,870 | 85 | * | Clever Leaves Holdings Inc. | 15,135 | 31 |
| | | 104 404 | 84 | *,1 | bioAffinity Technologies Inc. | 20,000 | 30 |
| *,1 | Theriva Biologics Inc. | 194,494 | | | | | |
| | ENDRA Life Sciences Inc. GT Biopharma Inc. | 39,812 315,126 | 84 80 | *,1 *,1 | Windtree Therapeutics Inc. Heart Test Laboratories Inc. | 41,640 175,600 | 30 30 |

| | | | Market Value• | | Market Value• |
|------------|--|---------------------|------------------|--|--------------------|
| | | Shares | (\$000) | Shares | (\$000) |
| *,1 | Aditxt Inc. | 4,566 | 30 | * ¹ Avalo Therapeutics Inc. 300 | 3 |
| *,1 | Nemaura Medical Inc. | 126,682 | 29 | ^{*,1} First Wave BioPharma Inc. 823 ^{*,1} Spectral Al Inc. 1 341 | 3 |
| *,1 | Nuwellis Inc. Jaguar Health Inc. | 49,955 192,335 | 29 29 | *.1Spectral Al Inc.1,341*.1Kintara Therapeutics Inc.12,455 | 3 2 |
| * | Protagenic Therapeutics Inc. | 31,996 | 29 | * Intelligent Bio Solutions Inc. 5,798 | 2 |
| *,1 | Context Therapeutics Inc. | 22,612 | 26 | * ^{,1} PaxMedica Inc. 3,235 | 2 |
| *,1 | Sonnet BioTherapeutics Holdings Inc. | 14,726 | 26 | * Sonoma Pharmaceuticals Inc. 3,818 | 1 |
| * | Exicure Inc. | 40,093 | 24 | *.1 Bluejay Diagnostics Inc. 794 | 1 |
| *,1 *,1 | Enveric Biosciences Inc. | 18,198 | 24 | * ^{,2} OmniAb Inc. 12.5 Earnout 83,004 * ^{,2} OmniAb Inc. 15 Earnout 83,004 | — |
| * | DMK Pharmaceuticals Corp. Silo Pharma Inc. | 33,990 16,334 | 24 24 | * ^{,2} OmniAb Inc. 15 Earnout 83,004 * Aclarion Inc. 1,800 | _ |
| *,1 | Biofrontera Inc. | 8,611 | 24 | *. ^{2,3} MYOS Corp. (Acquired 8/24/2023, Cost \$—) 20,700 | _ |
| *,1 | Healthcare Triangle Inc. | 8,801 | 24 | *,1,2 MYOS Corp. (Registered) 48,410 | _ |
| * | InVivo Therapeutics Holdings Corp. | 31,238 | 23 | * Senestech Inc. 1 | _ |
| *,1 | OpGen Inc. | 53,275 | 22 | *.1 ZyVersa Therapeutics Inc. 493 | _ |
| *,1 | Virpax Pharmaceuticals Inc. | 66,294 | 21 | *. ¹ Tharimmune Inc. 427 | — |
| *,1 | ThermoGenesis Holdings Inc. | 35,419 | 21 | * iCoreConnect Inc. 70 | |
| *,1 | Innovative Eyewear Inc. LogicMark Inc. | 47,233 18,939 | 20 20 | | 1,461,490 |
| * | Synaptogenix Inc. | 68,522 | 20 19 | Industrials (16.9%) | |
| *,1 | Phio Pharmaceuticals Corp. | 24,380 | 19 | Ferguson plc 3,008,200 | 580,793 |
| *,1 | Ensysce Biosciences Inc. | 18,175 | 19 | Vertiv Holdings Co. Class A 5,194,717 Booz Allen Hamilton Holding Corp. Class A 1,921,755 | 249,502 245,812 |
| *,1 | Calidi Biotherapeutics Inc. | 12,448 | 19 | Carlisle Cos. Inc. 720,251 | 245,612 |
| * | iSpecimen Inc. | 35,987 | 18 | Graco Inc. 2,495,313 | 216,493 |
| *,1 | Aptevo Therapeutics Inc. | 91,725 | 17 | Watsco Inc. 501,780 | 214,998 |
| *,1 *,1 | SiNtx Technologies Inc. Adial Pharmaceuticals Inc. | 43,409 | 17 | Lennox International Inc. 471,643 | 211,070 |
| * | Adial Pharmaceuticals Inc. Monopar Therapeutics Inc. | 9,359 45,167 | 17 15 | TransUnion 2,857,355 | 196,329 |
| * | Modular Medical Inc. | 8,077 | 15 | Owens Corning 1,304,994 | 193,439 |
| *,1 | Onconetix Inc. | 73,513 | 15 | SS&C Technologies Holdings Inc. 3,161,671 | 193,210 |
| *,1,2 | | 39,478 | 15 | AECOM 2,057,471 Lincoln Electric Holdings Inc. 848,279 | 190,172 184,467 |
| *,1 | Ampio Pharmaceuticals Inc. | 7,388 | 15 | RB Global Inc. 2,700,343 | 180,626 |
| *,1 | Cyclacel Pharmaceuticals Inc. | 5,796 | 15 | CNH Industrial NV 14,349,153 | 174,773 |
| * *,1 | NeuBase Therapeutics Inc. | 18,981 | 14 | * Saia Inc. 393,047 | 172,241 |
| *,1 | | 13,042 | 14 | * XPO Inc. 1,715,530 | 150,263 |
| *,1 | TRxADE HEALTH Inc. Kiora Pharmaceuticals Inc. | 2,643 24,566 | 14 13 | EMCOR Group Inc. 697,041 | 150,164 |
| *,1 | Qualigen Therapeutics Inc. | 22,827 | 13 | Toro Co. 1,538,340 | 147,665 |
| *,1 | SCWorx Corp. | 6,922 | 13 | Regal Rexnord Corp. 981,727 ITT Inc. 1.215.904 | 145,315 |
| *,1 | ReShape Lifesciences Inc. | 49,874 | 12 | ITT Inc. 1,215,904 nVent Electric plc 2,454,537 | 145,082 145,039 |
| * | Lixte Biotechnology Holdings Inc. | 5,209 | 12 | Advanced Drainage Systems Inc. 1,014,497 | 142,679 |
| *,1 | Biolase Inc. | 10,911 | 12 | Fortune Brands Innovations Inc. 1,854,514 | 141,203 |
| *,1 *,1 | Imac Holdings Inc. | 5,133 | 11 | HEICO Corp. 773,703 | 138,392 |
| *,2 | iBio Inc. Impact BioMedical Inc. (Registered) | 8,287 | 11 | Knight-Swift Transportation Holdings Inc. Class A 2,387,156 | 137,620 |
| ,1 | Yield10 Bioscience Inc. | 1,738,388 40,451 | 11 10 | * Trex Co. Inc. 1,607,200 | 133,060 |
| *,1 | 180 Life Sciences Corp. | 47,852 | 10 | Tetra Tech Inc. 787,983 | 131,538 |
| *,1 | NexImmune Inc. | 4,306 | 10 | * Clean Harbors Inc. 744,998 * WillScot Mobile Mini Holdings Corp. 2,841,484 | 130,010 126,446 |
| *,1 | Salarius Pharmaceuticals Inc. | 14,563 | 9 | Curtiss-Wright Corp. 565,745 | 126,440 |
| * | Dynatronics Corp. | 16,074 | 9 | HEICO Corp. Class A 878,098 | 125,076 |
| * | Landos Biopharma Inc. | 2,399 | 9 | Simpson Manufacturing Co. Inc. 631,696 | 125,063 |
| *,1 *,1 | Motus GI Holdings Inc. | 6,884 | 9 | * RBC Bearings Inc. 430,617 | 122,678 |
| *,1 | Avenue Therapeutics Inc. Inhibikase Therapeutics Inc. | 46,293 | 8 8 | Woodward Inc. 894,707 | 121,796 |
| * | Ontrak Inc. | 6,416 20,311 | ° 8 | Donaldson Co. Inc. 1,793,062 | 117,177 |
| * | Vaccinex Inc. | 12,588 | 8 | Middleby Corp. /94,027 | 116,857 |
| * | CalciMedica Inc. | 2,320 | 7 | UFP Industries Inc. 914,107 WESCO International Inc. 650,113 | 114,766 113,042 |
| *,1 | GRI Bio Inc. | 18,539 | 7 | AGCO Corp. 919,990 | 113,042 111,696 |
| * | 60 Degrees Pharmaceuticals Inc. | 7,048 | 7 | KBR Inc. 2,000,949 | 110,873 |
| *,1 * | Envoy Medical Inc. | 3,372 | 6 | Comfort Systems USA Inc. 529,245 | 108,850 |
| *,1 | Assure Holdings Corp. | 20,753 | 5 | * SiteOne Landscape Supply Inc. 667,428 | 108,457 |
| , ' *,1 | NKGen Biotech Inc. Panbela Therapeutics Inc. | 1,786 4,249 | 5 4 | * GXO Logistics Inc. 1,759,342 | 107,601 |
| * | Sharps Technology Inc. | 4,249 9,956 | 4 | * CACI International Inc. Class A 329,627 | 106,753 |
| *,1 | Ainos Inc. | 1,966 | 4 | Paylocity Holding Corp. 641,302 | 105,719 |
| * | NovaBay Pharmaceuticals Inc. | 13,710 | 3 | * API Group Corp. 3,038,620 Oshkosh Corp. 967,808 | 105,136 104,920 |
| *,1 | Revelation Biosciences Inc. | 6,000 | 3 | * FTI Consulting Inc. 526,596 | 104,920 104,872 |
| | | | | 520,090 S20,090 | 107,072 |

| | | | Market Value• | | | | Market Value• |
|-----|---|----------------------|--------------------|------------|---|----------------------|------------------|
| | | Shares | (\$000) | | | Shares | (\$000) |
| | BWX Technologies Inc. | 1,351,574 | 103,706 | 1 | Avis Budget Group Inc. | 274,172 | 48,600 |
| | Landstar System Inc. U-Haul Holding Co. (XNYS) | 530,689 1,436,757 | 102,768 101,205 | | Kadant Inc. Enpro Inc. | 172,546 307,869 | 48,366 48,255 |
| * | Fluor Corp. | 2,537,371 | 99,389 | | CSW Industrials Inc. | 229,356 | 40,255 47,571 |
| | Applied Industrial Technologies Inc. | 574,116 | 99,144 | * | Alight Inc. Class A | 5,490,704 | 46,836 |
| | Science Applications International Corp. | 783,118 | 97,357 | | John Bean Technologies Corp. | 469,240 | 46,666 |
| | Acuity Brands Inc. | 458,442 | 93,903 | | Korn Ferry | 777,379 | 46,137 |
| | MSA Safety Inc. | 546,726 | 92,304 | *,1 | Broom Energy corp. clace / (| 3,109,748 | 46,024 |
| * | Hexcel Corp. | 1,243,608 | 91,716 | | CBIZ Inc. | 730,196 | 45,703 |
| | Atkore Inc. | 559,885 | 89,582 | | Albany International Corp. Class A | 459,712 | 45,153 |
| | Genpact Ltd. Crane Co. | 2,467,607 724,648 | 85,651 85,610 | | ESCO Technologies Inc. McGrath RentCorp | 379,625 363,090 | 44,428 43,433 |
| * | Chart Industries Inc. | 621,858 | 84,778 | | ABM Industries Inc. | 967,169 | 43,455 |
| * | AZEK Co. Inc. Class A | 2,208,073 | 84,459 | | Rush Enterprises Inc. Class A | 852,857 | 42,899 |
| | Watts Water Technologies Inc. Class A | 405,310 | 84,442 | | ArcBest Corp. | 353,924 | 42,545 |
| | Sensata Technologies Holding plc | 2,242,063 | 84,234 | * | Hub Group Inc. Class A | 460,114 | 42,303 |
| * | Core & Main Inc. Class A | 2,020,433 | 81,646 | | Vestis Corp. | 1,944,013 | 41,096 |
| | Flowserve Corp. | 1,938,787 | 79,917 | * | Resideo Technologies Inc. | 2,168,384 | 40,809 |
| | Mueller Industries Inc. | 1,682,638 | 79,336 | | Dun & Bradstreet Holdings Inc. | 3,476,214 | 40,672 |
| | Allison Transmission Holdings Inc. | 1,325,939 | 77,103 | * | UniFirst Corp. | 221,716 | 40,554 |
| * | Timken Co. Lyft Inc. Class A | 961,555 5,122,437 | 77,069 76,785 | * | RXO Inc. Sterling Infrastructure Inc. | 1,724,556 454,822 | 40,113 39,992 |
| | Boise Cascade Co. | 585,699 | 75,766 | | Werner Enterprises Inc. | 933,919 | 39,552 39,570 |
| * | ExIService Holdings Inc. | 2,446,900 | 75,487 | * | Shoals Technologies Group Inc. Class A | 2,513,982 | 39,067 |
| | Maximus Inc. | 899,146 | 75,402 | | Brady Corp. Class A | 657,815 | 38,607 |
| | Ryder System Inc. | 655,056 | 75,371 | * | Kratos Defense & Security Solutions Inc. | 1,893,636 | 38,422 |
| * | Beacon Roofing Supply Inc. | 860,222 | 74,857 | | Griffon Corp. | 612,822 | 37,351 |
| * | Alaska Air Group Inc. | 1,900,933 | 74,269 | * | Parsons Corp. | 592,781 | 37,173 |
| | AAON Inc. | 999,729 | 73,850 | *,1 *,1 | Plug Power Inc. | 8,075,861 | 36,341 |
| | Esab Corp. | 841,365 | 72,879 | * | Joby Aviation Inc. | 5,453,440 | 36,265 |
| * | Valmont Industries Inc. Casella Waste Systems Inc. Class A | 309,296 843,395 | 72,224 72,077 | * | MYR Group Inc. Array Technologies Inc. | 246,064 2,102,305 | 35,588 35,319 |
| | MSC Industrial Direct Co. Inc. Class A | 686,263 | 69,491 | * | Gibraltar Industries Inc. | 446,533 | 35,267 |
| | Concentrix Corp. | 706,315 | 69,367 | | ICF International Inc. | 254,066 | 34,068 |
| | Federal Signal Corp. | 899,046 | 68,993 | * | PGT Innovations Inc. | 837,029 | 34,067 |
| | FTAI Aviation Ltd. | 1,481,949 | 68,762 | * | NEXTracker Inc. Class A | 725,239 | 33,977 |
| * | Kirby Corp. | 872,963 | 68,510 | | Granite Construction Inc. | 655,927 | 33,360 |
| | SPX Technologies Inc. | 672,804 | 67,960 | * | Mueller Water Products Inc. Class A | 2,304,083 | 33,179 |
| * | Stericycle Inc. | 1,367,670 | 67,782 | | AAR Corp. | 520,648 153.618 | 32,488 |
| * | MasTec Inc. ASGN Inc. | 892,540 696,985 | 67,583 67,029 | | Alamo Group Inc. Trinity Industries Inc. | 1,208,034 | 32,289 32,122 |
| | Exponent Inc. | 749,498 | 65,986 | * | SkyWest Inc. | 609,777 | 31,830 |
| | Armstrong World Industries Inc. | 652,061 | 64,111 | * | ACV Auctions Inc. Class A | 2,001,569 | 30,324 |
| | Air Lease Corp. Class A | 1,527,735 | 64,073 | | Kennametal Inc. | 1,173,695 | 30,270 |
| * | Sunrun Inc. | 3,223,210 | 63,272 | * | Gates Industrial Corp. plc | 2,186,614 | 29,344 |
| | GATX Corp. | 523,486 | 62,933 | | MillerKnoll Inc. | 1,077,787 | 28,755 |
| | Herc Holdings Inc. | 417,940 | 62,227 | * | HNI Corp. | 685,290 | 28,666 |
| | Zurn Elkay Water Solutions Corp. Moog Inc. Class A | 2,101,143 | 61,795 61,284 | * | Huron Consulting Group Inc. Construction Partners Inc. Class A | 278,187 | 28,598 |
| | Insperity Inc. | 423,288 521,856 | 61,284 | * | Masterbrand Inc. | 654,671 1,891,329 | 28,491 28,086 |
| | EnerSys | 600,821 | 60,659 | * | Mercury Systems Inc. | 767,524 | 28,068 |
| | MDU Resources Group Inc. | 3,004,569 | 59,490 | * | Masonite International Corp. | 327,207 | 27,701 |
| | Arcosa Inc. | 719,717 | 59,477 | | Standex International Corp. | 174,121 | 27,577 |
| *,1 | Clarivate plc | 6,387,831 | 59,151 | * | Upwork Inc. | 1,845,194 | 27,438 |
| | Brink's Co. | 665,051 | 58,491 | * | JetBlue Airways Corp. | 4,923,463 | 27,325 |
| | ManpowerGroup Inc. | 720,348 | 57,246 | 1 | Hillman Solutions Corp. | 2,899,283 | 26,702 |
| | Terex Corp. | 994,599 | 57,150 | *,1 | Spirit Airlines Inc. | 1,605,937 | 26,321 |
| | Franklin Electric Co. Inc. Matson Inc. | 588,664 514,964 | 56,894 56,440 | | Enovix Corp. Primoris Services Corp. | 2,096,915 786,411 | 26,253 26,117 |
| * | Verra Mobility Corp. Class A | 2,449,392 | 56,440 56,409 | * | Hayward Holdings Inc. | 1,865,699 | 25,374 |
| * | TriNet Group Inc. | 462,403 | 54,994 | | Tennant Co. | 273,605 | 25,360 |
| * | Spirit AeroSystems Holdings Inc. Class A | 1,702,136 | 54,094 | | Enerpac Tool Group Corp. Class A | 811,971 | 25,244 |
| | Encore Wire Corp. | 235,366 | 50,274 | | H&E Equipment Services Inc. | 477,007 | 24,957 |
| * | Dycom Industries Inc. | 433,509 | 49,893 | * | CoreCivic Inc. | 1,689,482 | 24,548 |
| * | Hillenbrand Inc. | 1,030,156 | 49,293 | * | Barnes Group Inc. | 748,859 | 24,435 |
| * | GMS Inc. AeroVironment Inc. | 597,692 387,809 | 49,268 48,879 | | JELD-WEN Holding Inc. Forward Air Corp. | 1,263,015 378,935 | 23,846 23,824 |
| | | 307,009 | 40,073 | | | 370,930 | 20,024 |

| | | | Market Value• | | | | Market Value• |
|-----|--|----------------------|------------------|-----|--|----------------------|------------------|
| | | Shares | (\$000) | | | Shares | (\$000) |
| * | OPENLANE Inc. | 1,600,005 | 23,696 | *,1 | ChargePoint Holdings Inc. | 4,433,911 | 10,375 |
| | American Woodmark Corp. | 241,253 | 22,400 | | Rush Enterprises Inc. Class B | 193,783 | 10,267 |
| | CSG Systems International Inc. | 418,917 | 22,291 | | Kelly Services Inc. Class A | 467,298 | 10,103 |
| *,1 | Helios Technologies Inc. | 487,054 | 22,088 | | Genco Shipping & Trading Ltd. | 608,605 | 10,097 |
| * | Xometry Inc. Class A Rocket Lab USA Inc. | 611,929 3,876,577 | 21,974 21,437 | | Hyster-Yale Materials Handling Inc. | 160,963 334,025 | 10,010 9,914 |
| | AZZ Inc. | 3,876,577 368,810 | 21,437 21,424 | | Douglas Dynamics Inc. Heartland Express Inc. | 334,025 668,206 | 9,914 9,529 |
| * | Leonardo DRS Inc. | 1,045,286 | 21,424 20,948 | * | Conduent Inc. | 2,581,577 | 9,529 9,423 |
| * | Cimpress plc | 261,517 | 20,934 | | Kaman Corp. | 393,210 | 9,417 |
| | Lindsay Corp. | 162,065 | 20,932 | * | IES Holdings Inc. | 117.230 | 9,287 |
| * | NV5 Global Inc. | 186,445 | 20,718 | * | Sun Country Airlines Holdings Inc. | 585,941 | 9,217 |
| * | Paycor HCM Inc. | 958,320 | 20,690 | * | CECO Environmental Corp. | 448,133 | 9,088 |
| | Greenbrier Cos. Inc. | 466,344 | 20,603 | * | Titan Machinery Inc. | 314,400 | 9,080 |
| *,1 | Fluence Energy Inc. | 854,078 | 20,370 | * | Manitowoc Co. Inc. | 536,355 | 8,952 |
| * | GEO Group Inc. | 1,863,265 | 20,179 | | Heidrick & Struggles International Inc. | 301,052 | 8,890 |
| * | Hertz Global Holdings Inc. | 1,934,112 | 20,095 | | Ennis Inc. | 399,848 | 8,761 |
| * | Legalzoom.com Inc. | 1,775,642 | 20,065 | | Cadre Holdings Inc. | 259,420 | 8,532 |
| * | Triumph Group Inc. | 1,155,858 | 19,164 | | Argan Inc. | 181,788 | 8,506 |
| | Kforce Inc. | 276,827 | 18,702 | *,1 | Stem Inc. | 2,175,737 | 8,442 |
| | Steelcase Inc. Class A | 1,375,129 | 18,592 | * | ACCO Brands Corp. | 1,375,638 | 8,364 |
| * | Allegiant Travel Co. | 221,749 | 18,319 | * | Hudson Technologies Inc. | 618,740 | 8,347 |
| | Janus International Group Inc. | 1,386,212 | 18,090 | * | V2X Inc. | 168,049 | 7,804 |
| | Marten Transport Ltd. | 861,519 704,169 | 18,075 18,041 | * | TrueBlue Inc. Great Lakes Dredge & Dock Corp. | 503,564 996,188 | 7,725 7,651 |
| | Wabash National Corp. Apogee Enterprises Inc. | 331,813 | 18,041 | | Miller Industries Inc. | 179,776 | 7,603 |
| * | NOW Inc. | 1,563,100 | 17,694 | | REV Group Inc. | 414,450 | 7,531 |
| *,1 | Archer Aviation Inc. Class A | 2,817,374 | 17,299 | | Global Industrial Co. | 192,097 | 7,461 |
| | Columbus McKinnon Corp. | 437,798 | 17,083 | * | Astronics Corp. | 423,465 | 7,377 |
| * | Thermon Group Holdings Inc. | 511,007 | 16,643 | * | Planet Labs PBC | 2,936,762 | 7,254 |
| | Matthews International Corp. Class A | 452,893 | 16,599 | * | Franklin Covey Co. | 162,924 | 7,092 |
| * | Energy Recovery Inc. | 837,202 | 15,773 | * | Blue Bird Corp. | 260,633 | 7,027 |
| * | Transcat Inc. | 141,109 | 15,427 | | Resources Connection Inc. | 490,041 | 6,944 |
| * | Ameresco Inc. Class A | 476,361 | 15,086 | | Allient Inc. | 219,589 | 6,634 |
| * | Proto Labs Inc. | 384,949 | 14,998 | * | Limbach Holdings Inc. | 145,808 | 6,630 |
| | SP Plus Corp. | 291,696 | 14,949 | | National Presto Industries Inc. | 80,342 | 6,450 |
| | Vicor Corp. | 331,923 | 14,917 | | Sterling Check Corp. | 461,430 | 6,423 |
| * | Quanex Building Products Corp. | 483,289 | 14,774 | | FTAI Infrastructure Inc. | 1,626,774 | 6,328 |
| | BlueLinx Holdings Inc. | 127,327 | 14,427 | | Preformed Line Products Co. | 46,680 | 6,249 |
| | Deluxe Corp. Schneider National Inc. Class B | 666,918 552,325 | 14,305 14,057 | | GrafTech International Ltd. TTEC Holdings Inc. | 2,849,673 287,802 | 6,241 6,237 |
| 1 | Tecnoglass Inc. | 305,934 | 13,984 | *,1 | SunPower Corp. | 1,290,750 | 6,234 |
| * | MRC Global Inc. | 1,266,392 | 13,943 | * | DXP Enterprises Inc. | 178,703 | 6,022 |
| * | Driven Brands Holdings Inc. | 949,070 | 13,534 | * | Tutor Perini Corp. | 661,759 | 6,022 |
| * | Montrose Environmental Group Inc. | 410,059 | 13,175 | *,1 | LanzaTech Global Inc. | 1,197,180 | 6,022 |
| * | Air Transport Services Group Inc. | 740,785 | 13,045 | | Covenant Logistics Group Inc. Class A | 130,074 | 5,989 |
| | Astec Industries Inc. | 349,983 | 13,019 | | Shyft Group Inc. | 489,952 | 5,987 |
| | Gorman-Rupp Co. | 365,969 | 13,003 | 1 | Eagle Bulk Shipping Inc. | 107,564 | 5,959 |
| *,1 | Virgin Galactic Holdings Inc. | 5,236,899 | 12,830 | * | Liquidity Services Inc. | 322,659 | 5,553 |
| | VSE Corp. | 196,541 | 12,699 | * | AerSale Corp. | 437,086 | 5,549 |
| * | 3D Systems Corp. | 1,980,054 | 12,573 | * | LSI Industries Inc. | 393,761 | 5,544 |
| *,1 | Symbotic Inc. Class A | 238,547 | 12,245 | * | Bowman Consulting Group Ltd. Class A | 154,695 | 5,495 |
| | First Advantage Corp. | 737,270 | 12,217 | * | Daseke Inc. | 665,161 | 5,388 |
| * 1 | U-Haul Holding Co. | 170,105 | 12,214 | * | Distribution Solutions Group Inc. | 164,414 | 5,189 |
| *,1 | Nikola Corp. | 13,898,285 | 12,158 | * | Forrester Research Inc. | 191,485 | 5,134 |
| | Barrett Business Services Inc. Powell Industries Inc. | 102,424 | 11,861 | * | Custom Truck One Source Inc. | 794,868 | 4,912 |
| | Insteel Industries Inc. | 133,243 303,239 | 11,779 11,611 | * | BrightView Holdings Inc. | 582,703 | 4,906 |
| * | Healthcare Services Group Inc. | 303,239 1,118,551 | 11,611 11,599 | *,1 | American Superconductor Corp. Microvast Holdings Inc. | 431,433 3,395,294 | 4,806 4,753 |
| * | Viad Corp. | 319,621 | 11,599 | | Alta Equipment Group Inc. | 3,395,294 371,262 | 4,753 |
| * | Hawaiian Holdings Inc. | 812,051 | 11,531 | * | Northwest Pipe Co. | 149,141 | 4,533 |
| * | Titan International Inc. | 772,873 | 11,500 | | Pangaea Logistics Solutions Ltd. | 512,373 | 4,213 |
| | Interface Inc. Class A | 887,011 | 11,194 | | Park Aerospace Corp. | 285,826 | 4,202 |
| * | Enviri Corp. | 1,215,310 | 10,938 | *,1 | SES AI Corp. | 2,199,001 | 4,024 |
| * | Ducommun Inc. | 207,222 | 10,788 | | Luxfer Holdings plc | 422,626 | 3,778 |
| | Pitney Bowes Inc. | 2,414,674 | 10,625 | * | Matrix Service Co. | 385,093 | 3,766 |
| | CRA International Inc. | 107,247 | 10,601 | * | Willdan Group Inc. | 171,977 | 3,698 |
| *,1 | | | 10,481 | *,1 | | | 3,682 |

| | | | Market Value• | | | | Market Value• |
|------------|---|----------------------|------------------|------------|---|---------------------|------------------|
| | | Shares | (\$000) | | | Shares | (\$000) |
| | Aris Water Solutions Inc. Class A | 408,070 | 3,424 | * | LS Starrett Co. Class A | 84,819 | 1,026 |
| * | Park-Ohio Holdings Corp. | 124,171 | 3,348 | * | SKYX Platforms Corp. | 640,728 | 1,025 |
| * | Radiant Logistics Inc. TaskUS Inc. Class A | 498,130 248,114 | 3,308 3,243 | * | Ultralife Corp. Skillsoft Corp. | 148,995 57,505 | 1,016 1,011 |
| *,1 | Frontier Group Holdings Inc. | 578,476 | 3,243 | | HireQuest Inc. | 62,700 | 962 |
| * | L B Foster Co. Class A | 140,614 | 3,092 | *,1 | Wheels Up Experience Inc. | 271,599 | 932 |
| , | Omega Flex Inc. | 42,700 | 3,011 | *,1 | Redwire Corp. | 287,325 | 819 |
| *,1 | Commercial Vehicle Group Inc. | 429,381 | 3,010 | * | GEE Group Inc. | 1,612,349 | 806 |
| *,1 | Innodata Inc. Blink Charging Co. | 364,024 846,731 | 2,963 2,870 | * | Taylor Devices Inc. Aqua Metals Inc. | 36,372 1,038,386 | 804 789 |
| | Universal Logistics Holdings Inc. | 101,183 | 2,835 | * | INNOVATE Corp. | 624,309 | 768 |
| * | Performant Financial Corp. | 894,514 | 2,795 | * | Broadwind Inc. | 275,644 | 764 |
| * | Graham Corp. | 146,346 | 2,776 | * | Perma-Pipe International Holdings Inc. | 97,154 | 757 |
| * | Asure Software Inc. | 290,815 | 2,769 | * | NL Industries Inc. | 134,129 | 752 |
| *,1 | Concrete Pumping Holdings Inc. Desktop Metal Inc. Class A | 336,641 3,567,986 | 2,760 2,680 | *,1 | Servotronics Inc. Southland Holdings Inc. | 59,661 141,533 | 746 730 |
| *,1 | Eve Holding Inc. | 365,203 | 2,680 | * | Flux Power Holdings Inc. | 160,450 | 659 |
| * | Blade Air Mobility Inc. | 755,482 | 2,667 | * | TechPrecision Corp. | 125,690 | 647 |
| * | RCM Technologies Inc. | 91,076 | 2,645 | * | StarTek Inc. | 144,925 | 639 |
| *,1 | TPI Composites Inc. | 620,777 | 2,570 | * | Ideal Power Inc. | 78,007 | 605 |
| *,1 * | Energy Vault Holdings Inc. | 1,087,385 | 2,534 | *,1 *,1 | NeoVolta Inc. | 376,441 | 602 |
| * | Quad/Graphics Inc. | 463,634 | 2,513 | * | Complete Solaria Inc. FTC Solar Inc. | 354,350 818,583 | 569 |
| * | DLH Holdings Corp. NN Inc. | 159,513 613,095 | 2,512 2,452 | * | Mastech Digital Inc. | 64,164 | 567 541 |
| *,1 | NuScale Power Corp. Class A | 712,185 | 2,343 | * | ClearSign Technologies Corp. | 478,114 | 531 |
| | Twin Disc Inc. | 144,684 | 2,338 | * | Hydrofarm Holdings Group Inc. | 577,654 | 530 |
| *,1 | Eos Energy Enterprises Inc. | 2,118,481 | 2,309 | * | Pioneer Power Solutions Inc. | 74,764 | 508 |
| * | Gencor Industries Inc. | 141,254 | 2,280 | * | FreightCar America Inc. | 184,666 | 499 |
| * | Orion Group Holdings Inc. | 457,435 | 2,260 | * | Mesa Air Group Inc. | 474,206 | 479 |
| * | Innovative Solutions & Support Inc. HireRight Holdings Corp. | 254,450 158,554 | 2,170 2,133 | *,1 | Hudson Global Inc. Velo3D Inc. | 30,771 1,137,907 | 479 452 |
| * | Mayville Engineering Co. Inc. | 144,533 | 2,084 | *,1 | Intuitive Machines Inc. | 164,968 | 421 |
| | Eastern Co. | 88,712 | 1,952 | * | CPI Aerostructures Inc. | 152,271 | 416 |
| | Karat Packaging Inc. | 78,371 | 1,948 | *,1 | Astra Space Inc. Class A | 179,586 | 409 |
| * | PAM Transportation Services Inc. | 93,486 | 1,943 | * | Orion Energy Systems Inc. | 453,956 | 393 |
| | Mistras Group Inc. | 258,353 | 1,891 | *,1 * | Tigo Energy Inc. | 176,330 | 369 |
| | Virco Manufacturing Corp. Acme United Corp. | 150,864 42,089 | 1,815 1,804 | *,1 | Fuel Tech Inc. Knightscope Inc. Class A | 347,857 601,903 | 365 361 |
| | EVI Industries Inc. | 75,711 | 1,797 | *,1 | Exela Technologies Inc. | 105,337 | 354 |
| | ARC Document Solutions Inc. | 533,343 | 1,749 | * | Team Inc. | 52,557 | 347 |
| * | Spire Global Inc. | 223,318 | 1,746 | * | Westwater Resources Inc. | 592,292 | 335 |
| *,1 | Manitex International Inc. | 199,531 | 1,744 | * | Air T Inc. | 19,387 | 320 |
| * | Falcon's Beyond Global Inc. Class A TuSimple Holdings Inc. Class A | 139,961 1,939,428 | 1,722 1,702 | * | Espey Manufacturing & Electronics Corp. Where Food Comes From Inc. | 16,768 21,320 | 314 290 |
| | Hurco Cos. Inc. | 76,118 | 1,702 | * | Jewett-Cameron Trading Co. Ltd. | 53,321 | 290 285 |
| * | Willis Lease Finance Corp. | 33,042 | 1,615 | * | SIFCO Industries Inc. | 59,551 | 270 |
| *,1 | Terran Orbital Corp. | 1,396,113 | 1,592 | * | Steel Connect Inc. | 26,479 | 252 |
| *,1 | BlackSky Technology Inc. Class A | 1,114,386 | 1,560 | *,1 * | Ocean Power Technologies Inc. | 753,871 | 238 |
| * | Byrna Technologies Inc. | 242,576 | 1,550 | * | Mega Matrix Corp. | 150,882 | 213 |
| *,1 | Quest Resource Holding Corp. Sky Harbour Group Corp. | 205,544 153,988 | 1,507 1,488 | *,1 | Chicago Rivet & Machine Co. Expion360 Inc. | 12,203 39,179 | 207 206 |
| * | Hyliion Holdings Corp. | 1,800,424 | 1,465 | *,1 | Xos Inc. | 24,861 | 200 194 |
| * | Perma-Fix Environmental Services Inc. | 184,484 | 1,450 | *,1 | View Inc. | 49,458 | 180 |
| * | VirTra Inc. | 147,434 | 1,396 | *,1 | Ideanomics Inc. | 89,726 | 179 |
| | BGSF Inc. | 146,036 | 1,373 | *,1 | Air Industries Group | 53,709 | 175 |
| *,1 *,1 | Amprius Technologies Inc. | 255,988 | 1,354 | *,1 | KULR Technology Group Inc. | 922,983 | 171 |
| * | Beam Global Markforged Holding Corp. | 178,909 1,487,790 | 1,268 1,220 | * | CompX International Inc. Urban-Gro Inc. | 6,705 111,102 | 169 156 |
| * | Babcock & Wilcox Enterprises Inc. | 813,414 | 1,220 | * | Professional Diversity Network Inc. | 75,021 | 150 |
| *,1 | FiscalNote Holdings Inc. | 1,039,674 | 1,185 | *,1 | Sarcos Technology & Robotics Corp. | 199,748 | 144 |
| *,1 | Odyssey Marine Exploration Inc. Class B | 247,693 | 1,152 | *,1 | Energous Corp. | 68,443 | 125 |
| *,1 | 374Water Inc. | 807,554 | 1,147 | *,1 * | Bitcoin Depot Inc. | 38,004 | 123 |
| *,1 *,1 | Bridger Aerospace Group Holdings Inc. | 165,432 | 1,143 | * *,1 | AgEagle Aerial Systems Inc. | 1,154,532 | 121 |
| *,1 | Hyzon Motors Inc. Surf Air Mobility Inc. | 1,219,651 677,622 | 1,092 1,050 | , י *,1 | Advent Technologies Holdings Inc. Getaround Inc. | 506,225 470,350 | 113 111 |
| *,1 | ESS Tech Inc. | 914,456 | 1,050 | *,1 | Sunworks Inc. | 468,374 | 110 |
| * | Alpha Pro Tech Ltd. | 194,654 | 1,030 | *,1 | LiqTech International Inc. | 31,265 | 106 |
| * | Alpha Pro Tech Ltd. | 194,654 | 1,030 | *,1 | LiqTech International Inc. | 31,265 | |

| | | | Market Value• | | | | Market Value• |
|------------|--|------------------------|--------------------|----------|---|------------------------|--------------------|
| | | Shares | (\$000) | | | Shares | (\$000) |
| * | Wilhelmina International Inc. | 23,052 | 93 | * | Elastic NV | 1,197,380 | 134,945 |
| *,1 | Safe & Green Holdings Corp. | 195,578 | 92 | * | Guidewire Software Inc. | 1,212,614 | 132,223 |
| *,1 | Optex Systems Holdings Inc. | 13,331 | 88 | | Universal Display Corp. | 637,191 | 121,869 |
| *,1 *,1 | Nauticus Robotics Inc. | 125,161 | 85 | *,1 * | Microotrategy inc. class A | 185,611 | 117,236 |
| * | Dragonfly Energy Holdings Corp. | 124,806 | 68 67 | * | Dropbox Inc. Class A | 3,764,440 | 110,976 |
| *,1 | TOMI Environmental Solutions Inc. Jet.Al Inc. | 66,377 42,979 | 67 62 | * | BILL Holdings Inc. Onto Innovation Inc. | 1,351,717 719,979 | 110,287 110,085 |
| *,1 | Sidus Space Inc. Class A | 6,332 | 56 | * | Rambus Inc. | 1,573,224 | 107,373 |
| * | DSS Inc. | 434,597 | 52 | | Cognex Corp. | 2,545,916 | 106,267 |
| * | Shapeways Holdings Inc. | 21,179 | 52 | * | Qualys Inc. | 537,429 | 105,487 |
| *,1 | JanOne Inc. | 73,304 | 41 | * | SPS Commerce Inc. | 542,414 | 105,142 |
| | FGI Industries Ltd. | 24,551 | 40 | * | Fabrinet | 537,943 | 102,387 |
| * | Laser Photonics Corp. | 32,357 | 38 | * | Littelfuse Inc. | 369,099 | 98,756 |
| *,1 | Avalon Holdings Corp. Class A Momentus Inc. | 15,500 19,933 | 37 34 | * | SentinelOne Inc. Class A Ciena Corp. | 3,582,203 2,181,690 | 98,296 98,198 |
| ,1 | Polar Power Inc. | 80,105 | 34 | * | Arrow Electronics Inc. | 798,597 | 98,198 97,628 |
| *,1 | iSun Inc. | 97,573 | 31 | * | Smartsheet Inc. Class A | 2,000,921 | 95,684 |
| * | Pineapple Energy Inc. | 52,951 | 31 | | MKS Instruments Inc. | 929,210 | 95,588 |
| * | Nuvve Holding Corp. | 177,956 | 22 | * | Aspen Technology Inc. | 415,061 | 91,376 |
| * | Mobile Infrastructure Corp. Class A | 5,406 | 22 | * | Procore Technologies Inc. | 1,317,659 | 91,208 |
| * | Art's-Way Manufacturing Co. Inc. | 10,164 | 21 | * | Novanta Inc. | 530,020 | 89,261 |
| *,1 | iPower Inc. | 46,964 | 21 | | Coherent Corp. | 1,950,442 | 84,903 |
| *,1 | Applied UV Inc. | 9,195 | 21 | * | Five9 Inc. | 1,076,767 | 84,731 |
| *,1 | Nuburu Inc. Nxu Inc. Class A | 134,105 8,128 | 20 19 | * | Wolfspeed Inc. Samsara Inc. Class A | 1,856,516 2,419,391 | 80,777 80,759 |
| *,1 | Energy Focus Inc. | 11,850 | 19 | | TD SYNNEX Corp. | 750,327 | 80,759 80,743 |
| * | CEA Industries Inc. | 30,150 | 16 | * | Gitlab Inc. Class A | 1,281,444 | 80,680 |
| *,1 | Fathom Digital Manufacturing C | 3,456 | 15 | * | Tenable Holdings Inc. | 1,741,808 | 80,228 |
| *,1 | Greenwave Technology Solutions Inc. | 22,716 | 13 | * | SolarEdge Technologies Inc. | 845,411 | 79,130 |
| * | Gaucho Group Holdings Inc. | 22,058 | 13 | | Vontier Corp. | 2,278,809 | 78,733 |
| * | Staffing 360 Solutions Inc. | 30,990 | 12 | *,1 * | Marathen Digital Heldinge inc. | 3,294,348 | 77,384 |
| *,1 *,1 | Agrify Corp. | 9,557 | 11 | * | AppLovin Corp. Class A | 1,920,196 | 76,520 |
| *,1 | Royalty Management Holding Corp. Ault Alliance Inc. | 5,608 | 10 2 | * | Confluent Inc. Class A | 3,254,521 | 76,156 |
| * | Electriq Power Holdings Inc. | 16,916 5,708 | 2 | | DoubleVerify Holdings Inc. Dolby Laboratories Inc. Class A | 2,062,284 874,349 | 75,851 75,351 |
| *,1 | ShiftPixy Inc. | 280 | 2 | * | MACOM Technology Solutions Holdings Inc. | 791,442 | 73,565 |
| *,1,2 | FTE Networks Inc. | 82,837 | _ | * | Varonis Systems Inc. Class B | 1,608,955 | 72,853 |
| | | · - | 16,419,321 | * | Insight Enterprises Inc. | 407,142 | 72,141 |
| Info | ormation Technology (18.8%) | | 10,413,321 | * | Workiva Inc. Class A | 704,997 | 71,578 |
| * | Snowflake Inc. Class A | 4,724,340 | 940,144 | | Kyndryl Holdings Inc. | 3,393,677 | 70,521 |
| * | Crowdstrike Holdings Inc. Class A | 3,345,466 | 854,164 | | Altair Engineering Inc. Class A | 812,881 | 68,404 |
| * | Workday Inc. Class A | 3,058,563 | 844,347 | | Power Integrations Inc. | 824,499 | 67,700 |
| J | Marvell Technology Inc. | 12,745,623 | 768,689 | | Avnet Inc. Badger Meter Inc. | 1,338,756 434,075 | 67,473 67,008 |
| * | Atlassian Corp. Class A | 2,293,046 | 545,424 | * | DXC Technology Co. | 2,865,324 | 65,530 |
| * | Datadog Inc. Class A | 4,468,669 | 542,407 | * | Synaptics Inc. | 574,387 | 65,526 |
| * | Palantir Technologies Inc. Class A HubSpot Inc. | 28,502,001 744,643 | 489,379 432,295 | * | Cirrus Logic Inc. | 781,204 | 64,988 |
| * | MongoDB Inc. Class A | 1,054,666 | 431,200 | * | Teradata Corp. | 1,438,741 | 62,600 |
| * | Cloudflare Inc. Class A | 4,376,742 | 364,408 | * | Axcelis Technologies Inc. | 479,772 | 62,222 |
| * | Splunk Inc. | 2,281,728 | 347,621 | | Silicon Laboratories Inc. | 465,884 | 61,622 |
| * | Zscaler Inc. | 1,306,588 | 289,488 | * | Advanced Energy Industries Inc. | 551,701 | 60,091 |
| | Dell Technologies Inc. Class C | 3,723,323 | 284,834 | * | Freshworks Inc. Class A Blackbaud Inc. | 2,515,504 632,940 | 59,089 54,876 |
| * | Zoom Video Communications Inc. Class A | 3,760,385 | 270,409 | * | Box Inc. Class A | 2,133,097 | 54,870 54,629 |
| * | Entegris Inc. | 2,203,335 | 264,004 | * | Diodes Inc. | 664,517 | 53,507 |
| * | GoDaddy Inc. Class A Okta Inc. Class A | 2,074,895 2,321,961 | 220,271 | * | Appfolio Inc. Class A | 301,580 | 52,246 |
| * | Twilio Inc. Class A | 2,321,961 2,682,496 | 210,207 203,521 | * | Lumentum Holdings Inc. | 989,265 | 51,857 |
| * | Super Micro Computer Inc. | 683,773 | 194,369 | * | Rapid7 Inc. | 907,279 | 51,806 |
| * | Manhattan Associates Inc. | 899,758 | 193,736 | * | Aurora Innovation Inc. Class A | 11,775,650 | 51,460 |
| * | Dynatrace Inc. | 3,505,467 | 191,714 | * | CommVault Systems Inc. | 643,067 | 51,349 |
| * | DocuSign Inc. Class A | 3,002,110 | 178,475 | | Itron Inc. | 669,910 | 50,585 |
| | Bentley Systems Inc. Class B | 3,392,456 | 177,018 | * | Amkor Technology Inc. ACI Worldwide Inc. | 1,497,687 1,606,323 | 49,828 49,153 |
| * | Nutanix Inc. Class A | 3,608,029 | 172,067 | * | IPG Photonics Corp. | 441,708 | 49,153 47,943 |
| * | Pure Storage Inc. Class A | 4,314,482 | 153,854 | | Belden Inc. | 619,069 | 47,823 |
| * | UiPath Inc. Class A Unity Software Inc. | 6,020,552 3,533,027 | 149,550 144,465 | * | Alarm.com Holdings Inc. | 737,106 | 47,632 |
| * | Lattice Semiconductor Corp. | 2,036,787 | 140,518 | * | FormFactor Inc. | 1,141,897 | 47,629 |
| | | _,000,.07 | | | | | |

| | | | Market Value• | | | | Market Value• |
|-----|---|------------------------|------------------|----------|---|------------------------|------------------|
| | | Shares | (\$000) | | | Shares | (\$000) |
| *,1 | Riot Platforms Inc. | 3,063,105 | 47,386 | *,1 | PAR Technology Corp. | 408,826 | 17,800 |
| * | BlackLine Inc. | 749,951 | 46,827 | * | Intapp Inc. | 458,215 | 17,421 |
| | Alteryx Inc. Class A Vishay Intertechnology Inc. | 944,769 1,856,884 | 44,555 44,509 | * | Informatica Inc. Class A Diebold Nixdorf Inc. | 589,832 542,890 | 16,745 15.717 |
| | Kulicke & Soffa Industries Inc. | 810,361 | 44,343 | * | indie Semiconductor Inc. Class A | 1,894,348 | 15,363 |
| * | Sprout Social Inc. Class A | 719,633 | 44,214 | * | SMART Global Holdings Inc. | 797,351 | 15,094 |
| * | Plexus Corp. | 404,461 | 43,734 | * | EngageSmart Inc. | 654,095 | 14,979 |
| * | Sanmina Corp. | 843,071 | 43,309 | * | Napco Security Technologies Inc. | 433,592 | 14,851 |
| * | CCC Intelligent Solutions Holdings Inc. RingCentral Inc. Class A | 3,691,119 1,234,634 | 42,042 41,916 | | Navitas Semiconductor Corp. Class A Benchmark Electronics Inc. | 1,824,973 530,374 | 14,728 14,660 |
| | InterDigital Inc. | 373,786 | 40,571 | * | Everbridge Inc. | 602,239 | 14,640 |
| | Crane NXT Co. | 710,949 | 40,432 | * | PDF Solutions Inc. | 447,535 | 14,384 |
| *,1 | C3.ai Inc. Class A | 1,386,827 | 39,816 | * | Ichor Holdings Ltd. | 426,491 | 14,343 |
| * | Braze Inc. Class A | 746,698 | 39,672 | * | ScanSource Inc. | 360,097 | 14,263 |
| * | HashiCorp Inc. Class A | 1,636,790 | 38,694 | *,1 | Alkami Technology Inc. Infinera Corp. | 582,840 | 14,134 |
| * | Calix Inc. Clearwater Analytics Holdings Inc. Class A | 864,906 1,876,990 | 37,788 37,596 | * | Model N Inc. | 2,928,379 511,107 | 13,910 13,764 |
| * | Q2 Holdings Inc. | 863,336 | 37,477 | * | Jamf Holding Corp. | 760,762 | 13,739 |
| * | LiveRamp Holdings Inc. | 967,698 | 36,656 | | A10 Networks Inc. | 1,039,631 | 13,692 |
| * | Envestnet Inc. | 733,882 | 36,342 | * | Amplitude Inc. Class A | 1,075,572 | 13,681 |
| * | Credo Technology Group Holding Ltd. | 1,856,305 | 36,142 | * | Digi International Inc. | 525,284 | 13,657 |
| * | Progress Software Corp. Ambarella Inc. | 641,603 | 34,839 | * | ACM Research Inc. Class A | 685,369 | 13,392 |
| * | Perficient Inc. | 560,565 513,115 | 34,357 33,773 | * | Arlo Technologies Inc. N-able Inc. | 1,389,946 996,091 | 13,232 13,198 |
| * | Extreme Networks Inc. | 1,908,470 | 33,665 | | Methode Electronics Inc. | 538,616 | 12,243 |
| * | NCR Voyix Corp. | 1,980,838 | 33,496 | | Bel Fuse Inc. Class B | 179,861 | 12,009 |
| * | Viavi Solutions Inc. | 3,313,600 | 33,368 | * | Cerence Inc. | 592,362 | 11,646 |
| * | Rogers Corp. | 246,126 | 32,506 | * | PC Connection Inc. | 172,596 | 11,600 |
| * | PagerDuty Inc. | 1,372,248 | 31,768 | * | E2open Parent Holdings Inc. AvePoint Inc. | 2,584,789 | 11,347 |
| * | Fastly Inc. Class A SiTime Corp. | 1,772,000 258,192 | 31,542 31,520 | * | Grid Dynamics Holdings Inc. | 1,363,313 805,958 | 11,193 10,743 |
| * | ePlus Inc. | 394,556 | 31,501 | *,1 | Klaviyo Inc. Class A | 375,103 | 10,743 |
| *,1 | IonQ Inc. | 2,535,221 | 31,411 | * | Kimball Electronics Inc. | 383,962 | 10,348 |
| * | Allegro MicroSystems Inc. | 1,036,171 | 31,365 | *,1 | Aehr Test Systems | 389,357 | 10,330 |
| * | OSI Systems Inc. | 239,075 | 30,853 | * * 1 | Couchbase Inc. | 454,257 | 10,230 |
| | Viasat Inc. | 1,103,080 | 30,831 30,696 | *,1 * | Applied Optoelectronics Inc. | 511,110 993,394 | 9,875 |
| | Pegasystems Inc. Xerox Holdings Corp. | 628,252 1,659,090 | 30,090 | * | BigCommerce Holdings Inc. nLight Inc. | 993,394 714,982 | 9,666 9,652 |
| * | nCino Inc. | 900,031 | 30,268 | * | SolarWinds Corp. | 747,636 | 9,338 |
| * | Impinj Inc. | 334,871 | 30,148 | * | Matterport Inc. | 3,462,751 | 9,315 |
| * | Photronics Inc. | 914,197 | 28,678 | * | Digital Turbine Inc. | 1,350,898 | 9,267 |
| * | Mirion Technologies Inc. Class A | 2,692,403 | 27,597 | * | Mitek Systems Inc. | 704,259 | 9,184 |
| * | DigitalOcean Holdings Inc. MaxLinear Inc. Class A | 744,208 1,090,954 | 27,305 25,932 | * | Olo Inc. Class A Yext Inc. | 1,599,593 1,541,001 | 9,150 9,076 |
| | Clear Secure Inc. Class A | 1,245,888 | 25,728 | * | Corsair Gaming Inc. | 620,566 | 8,750 |
| * | Verint Systems Inc. | 948,401 | 25,635 | * | CommScope Holding Co. Inc. | 3,099,039 | 8,739 |
| * | Veeco Instruments Inc. | 820,967 | 25,475 | * | SmartRent Inc. Class A | 2,729,282 | 8,706 |
| * | Agilysys Inc. | 298,926 | 25,355 | *,1 | Ubiquiti Inc. | 61,812 | 8,626 |
| * | Cleanspark Inc. Squarespace Inc. Class A | 2,264,759 753,178 | 24,980 24,862 | * | Lightwave Logic Inc. Alpha & Omega Semiconductor Ltd. | 1,712,689 322,316 | 8,529 8,400 |
| * | Cohu Inc. | 686,724 | 24,802 | * | CEVA Inc. | 359,997 | 8,400 8,176 |
| * | PROS Holdings Inc. | 625,791 | 24,274 | | Hackett Group Inc. | 357,916 | 8,150 |
| * | TTM Technologies Inc. | 1,517,458 | 23,991 | | ADTRAN Holdings Inc. | 1,074,094 | 7,884 |
| * | Knowles Corp. | 1,323,768 | 23,709 | *,1 | Digimarc Corp. | 216,101 | 7,806 |
| * | Ultra Clean Holdings Inc. | 685,989 | 23,420 | * *,1 | MeridianLink Inc. | 305,501 | 7,567 |
| * | Appian Corp. Class A NetScout Systems Inc. | 611,992 1,045,170 | 23,048 22,941 | * | MicroVision Inc. Instructure Holdings Inc. | 2,771,041 270,789 | 7,371 7,314 |
| * | Asana Inc. Class A | 1,180,334 | 22,941 | * | Xperi Inc. | 657,132 | 7,314 7,242 |
| * | Harmonic Inc. | 1,648,784 | 21,500 | * | Consensus Cloud Solutions Inc. | 271,827 | 7,125 |
| * | Semtech Corp. | 942,978 | 20,661 | * | Vishay Precision Group Inc. | 208,474 | 7,103 |
| * | CTS Corp. | 459,389 | 20,094 | * | NETGEAR Inc. | 468,581 | 6,832 |
| * | PowerSchool Holdings Inc. Class A | 844,285 | 19,891 | * | Thoughtworks Holding Inc. | 1,418,977 | 6,825 |
| | Zeta Global Holdings Corp. Class A Adeia Inc. | 2,235,084 1,578,504 | 19,713 19,558 | * | 8x8 Inc. FARO Technologies Inc. | 1,805,420 291,058 | 6,824 6,558 |
| * | Vertex Inc. Class A | 696,766 | 19,558 | *,1 | SoundHound Al Inc. Class A | 3,033,985 | 6,558 |
| * | Sprinklr Inc. Class A | 1,556,033 | 18,735 | *,1 | Blend Labs Inc. Class A | 2,429,086 | 6,194 |
| | Zuora Inc. Class A | 1,934,328 | 18,183 | *,1 | Applied Digital Corp. | 905,614 | 6,104 |

| | | | Market | | | | Market |
|-----|--|----------------------|-------------------|----------|---|----------------------|-------------------|
| | | Shares | Value• (\$000) | | | Shares | Value• (\$000) |
| * | Unisys Corp. | 1,079,220 | 6,065 | | CSP Inc. | 58,064 | 1,161 |
| * | SEMrush Holdings Inc. Class A | 430,309 | 5,878 | * | KVH Industries Inc. | 220,329 | 1,159 |
| | American Software Inc. Class A NVE Corp. | 511,963 | 5,785 5,657 | *,1 * | Wrap Technologies Inc. | 373,039 557,665 | 1,156 |
| *,1 | Clearfield Inc. | 72,132 193,612 | 5,657 5,630 | * | Genasys Inc. M-Tron Industries Inc. | 31,573 | 1,132 1,127 |
| * | Aviat Networks Inc. | 167,276 | 5,463 | * | Aeva Technologies Inc. | 1,365,249 | 1,034 |
| * | Evolv Technologies Holdings Inc. | 1,136,658 | 5,365 | | Frequency Electronics Inc. | 93,838 | 1,028 |
| * | OneSpan Inc. | 499,022 | 5,350 | * | SecureWorks Corp. Class A | 136,354 | 1,006 |
| | Daktronics Inc. ON24 Inc. | 626,137 662,626 | 5,310 | * | Cambium Networks Corp. Pixelworks Inc. | 156,165 663,718 | 937 |
| * | Enfusion Inc. Class A | 525,816 | 5,221 5,100 | *,1 | Veritone Inc. | 466,521 | 869 844 |
| * | Domo Inc. Class B | 482,417 | 4,964 | * | TransAct Technologies Inc. | 119,373 | 833 |
| * | Weave Communications Inc. | 414,886 | 4,759 | *,1 | Akoustis Technologies Inc. | 989,060 | 825 |
| * | Backblaze Inc. Class A | 624,963 | 4,743 | * | Synchronoss Technologies Inc. | 131,634 | 817 |
| *,1 | LivePerson Inc. | 1,122,286 | 4,253 | 1 *,1 | SilverSun Technologies Inc. | 46,703 | 799 |
| *,1 | Terawulf Inc. Tucows Inc. Class A | 1,765,586 144,551 | 4,237 3,903 | *,1 | Ondas Holdings Inc. D-Wave Quantum Inc. | 513,054 892,354 | 785 785 |
| * | Eastman Kodak Co. | 992,378 | 3,870 | * | WM Technology Inc. | 1,087,301 | 783 |
| * | 908 Devices Inc. | 338,125 | 3,794 | * | Amtech Systems Inc. | 175,185 | 736 |
| *,1 | Ouster Inc. | 491,955 | 3,773 | * | Sono-Tek Corp. | 137,634 | 714 |
| * | Porch Group Inc. | 1,213,243 | 3,737 | * | Key Tronic Corp. | 156,477 | 676 |
| * | Climb Global Solutions Inc. | 66,690 | 3,657 | * | Issuer Direct Corp. | 36,699 | 665 |
| | Ribbon Communications Inc. Comtech Telecommunications Corp. | 1,193,922 405,149 | 3,462 3,415 | *,1 | Edgio Inc. Rubicon Technologies Inc. Class A | 1,892,566 348,823 | 648 645 |
| * | SoundThinking Inc. | 125,531 | 3,206 | * | Inuvo Inc. | 1,411,029 | 600 |
| *,1 | SkyWater Technology Inc. | 328,647 | 3,162 | *,1 | Dave Inc. | 70,645 | 592 |
| * | Luna Innovations Inc. | 472,743 | 3,144 | *,1 | Stronghold Digital Mining Inc. Class A | 80,567 | 588 |
| *,1 | Rekor Systems Inc. | 937,533 | 3,122 | * | Smith Micro Software Inc. | 706,442 | 584 |
| * | Immersion Corp. | 437,813 | 3,091 | *,1 | GSI Technology Inc. | 216,448 | 571 |
| * | Iteris Inc. CS Disco Inc. | 589,281 399,811 | 3,064 3,035 | * | Focus Universal Inc. Airgain Inc. | 374,994 152,243 | 547 542 |
| *,1 | Red Violet Inc. | 150,073 | 2,997 | * | Quantum Corp. | 1,535,792 | 536 |
| *,1 | NextNav Inc. | 650,077 | 2,893 | * | LightPath Technologies Inc. Class A | 424,658 | 535 |
| * | EverCommerce Inc. | 262,235 | 2,892 | * | Franklin Wireless Corp. | 146,912 | 498 |
| * | Kopin Corp. | 1,424,025 | 2,891 | * *,1 | Intellicheck Inc. | 243,594 | 463 |
| * | Telos Corp. QuickLogic Corp. | 755,369 195,221 | 2,757 2,706 | * | Coda Octopus Group Inc. DZS Inc. | 75,655 229,401 | 454 452 |
| * | Turtle Beach Corp. | 243,612 | 2,700 | * | AudioEye Inc. | 82,976 | 452 450 |
| * | Identiv Inc. | 321,669 | 2,651 | * | CVD Equipment Corp. | 100,702 | 446 |
| *,1 | Cipher Mining Inc. | 634,359 | 2,620 | * | authID Inc. | 45,426 | 430 |
| *,1 | Atomera Inc. | 369,491 | 2,590 | *,1 * | Research Frontiers Inc. | 411,436 | 416 |
| * | eGain Corp. | 306,912 | 2,557 | * | DecisionPoint Systems Inc. | 65,767 | 412 |
| * | Rimini Street Inc. Lantronix Inc. | 760,275 405,729 | 2,486 2,378 | * | NetSolTechnologies Inc. Movano Inc. | 188,484 512,874 | 405 401 |
| | Information Services Group Inc. | 476,239 | 2,243 | * | Data I/O Corp. | 131,906 | 388 |
| * | inTEST Corp. | 161,574 | 2,197 | * | CPS Technologies Corp. | 164,742 | 387 |
| * | Everspin Technologies Inc. | 239,185 | 2,162 | * | LGL Group Inc. | 61,008 | 375 |
| * | Richardson Electronics Ltd. | 161,606 | 2,157 | * | ZeroFox Holdings Inc. | 426,975 | 371 |
| 1 | Rackspace Technology Inc. ReposiTrak Inc. | 970,155 191,260 | 1,940 1 914 | *,1 | EMCORE Corp. | 754,981 588,741 | 369 356 |
| *,1 | BigBear.ai Holdings Inc. | 847,209 | 1,914 1,813 | * | Movella Holdings Inc. One Stop Systems Inc. | 169,292 | 355 |
| * | Powerfleet Inc. | 529,800 | 1,812 | * | Red Cat Holdings Inc. | 402,998 | 355 |
| *,1 | Vuzix Corp. | 857,111 | 1,787 | *,1 | Meta Materials Inc. | 5,342,305 | 353 |
| * | Upland Software Inc. | 413,665 | 1,750 | *,1 | Greenidge Generation Holdings Inc. Class A | 52,169 | 350 |
| * | Intevac Inc. | 393,579 | 1,700 | *,1 | Quantum Computing Inc. | 378,953 | 346 |
| * | Kaltura Inc. Arteris Inc. | 871,096 286,887 | 1,699 1,690 | * | Crexendo Inc. Research Solutions Inc. | 67,950 124,461 | 330 324 |
| * | Expensify Inc. Class A | 634,087 | 1,566 | * | RF Industries Ltd. | 105,170 | 324 |
| * | Brightcove Inc. | 594,426 | 1,540 | *,1 | Neonode Inc. | 139,362 | 319 |
| * | Viant Technology Inc. Class A | 202,577 | 1,396 | 1 | VirnetX Holding Corp. | 45,281 | 317 |
| * | AXT Inc. | 577,904 | 1,387 | * | Mawson Infrastructure Group Inc. | 98,002 | 314 |
| *,1 | AstroNova Inc. | 84,578 | 1,375 | * | Aware Inc. | 182,524 | 303 |
| * | Rigetti Computing Inc. Transphorm Inc. | 1,344,747 361,933 | 1,324 1,321 | * | Casa Systems Inc. Optical Cable Corp. | 538,466 101,263 | 285 273 |
| * | CPI Card Group Inc. | 63,608 | 1,321 | *,1 | Inseego Corp. | 1,190,163 | 273 |
| * | CoreCard Corp. | 84,857 | 1,174 | * | WidePoint Corp. | 102,130 | 237 |
| *,1 | CompoSecure Inc. | 217,219 | 1,173 | * | SigmaTron International Inc. | 77,301 | 232 |

| Presto Automation Inc. 117/07/9 199 Berry Qiedal Group Inc. 114,9,199 117/265 BTCS Inc. 872564 Qiange Group Inc. 45,417 31 Autor Casing Qiange Group Inc. 45,417 118,444 132 Graphic Packaging Holding Co. 4,542,786 111,569 Data Excluding Qiange Group 45,832 131 Fagle Materials Inc. 611,274 103,802 Visimic Reimologies Inc. 33,442 126 Oil Corp. 2,181,101 103,803 CasArone Inc. 114,199 126 Autor Corp. 2,126,913 83,782 Autoroph Inc. 13,863 116 Sealer Air Corp. 2,126,913 83,727 Treakyin End Corp. 37,873 116 Sealer Air Corp. 2,126,913 7,2169 7,7275 Territor Air Corp. 37,873 110,700 96 Cantor Con. 2,118,44 68,783 Printaware Inc. 1,323,080 106 Cantor Con. 2,118,44 68,783 Printaware Inc. 1,323,080 106 Cantor Con. 2,118,44 | | | | Market | | Market |
|---|-------|------------------------|---------|-----------|---|----------|
| 1 TBH inc. 122.007 234 Tellarine Sind & Auminum Co. 94.03.016 225.543 Amplified Group Inc. 103.223 118 Conven Hockings Inc. 1778.781 105.849 Extent Sensor Inc. 103.223 118 Conven Hockings Inc. 1778.781 105.849 The Internation Inc. 103.223 118 Conven Hockings Inc. 1778.781 105.549 The Internation Inc. 101.224 118 Conven Hockings Inc. 1778.781 105.549 Presto Automation Inc. 101.224 118 Berry Gold Group Inc. 47.025.78 117.406 Door Themocopies Group Inc. 16.45.79 101.124 118 Berry Gold Group Inc. 32.05.79 110.000 Castrong Carp. 103.248 118 Avanta Comp Inc. 32.05.79 110.000 Castrong Carp. 103.248 118 Avanta Comp Inc. 32.06.79 110.000 Castrong Carp. 103.238 117.24 118 Sance Carp. 2.18.16 101.000 Castrong Carp. 118.018 118.018 <t< th=""><th></th><th></th><th>Shares</th><th></th><th>Shar</th><th></th></t<> | | | Shares | | Shar | |
| ************************************ | *,1 | Alpine 4 Holdings Inc. | 290,863 | 214 | Materials (4.3%) | _ |
| Amplifies Grap Inc. 17.07.071 | * | | , | | · · · · · · · · · · · · · · · · · · · | , |
| Electro-Sensor Inc. 91,42 194 United States Steek Corp. 3.283,636 100,255 Interich Incomational 30,031 174 AttraCroup Inc. 396,311 1176 Presta Automational Inc. 31,013 174 AttraCroup Inc. 396,311 1178,588 1178,588 BTCS inc. 87,024 143 Maya Could Scala Could Inc. 1178,588 1178,558 Data Technologies Group Inc. 45,432 131 Automatic Accural System Liu 2,245,929 1118,858 Data Technologies Inc. 45,434 131 Automatic Accural System Liu 2,245,929 1118,858 Data Technologies Inc. 14,474 120 Connormal Methal Co. 1,372,114 110,838 VerifivMa Inc. 108,839 120 Actor Corp. 1,481,811 85,568 VerifivMa Inc. 138,797 110 Connormac Iok 3,280,407 7,8950 VerifivMa Inc. 138,797 110,700 60 Calac Corp. 2,218,84 7,70,976 Paramaterin Inc. 132,328,000 Cannormac Co.< | *,1 | | , | | | |
| The Trabe International 36,81 194 Cloweland Cliffs Inc. 2470.225 125,242 Interlink Encomission 3170.79 169 Barry Clickal Group Inc. 1,715.88 113,209 Presto Automation Inc. 3170.79 169 Barry Clickal Group Inc. 4,724.94 113,209 Bingeo Group Inc. 16,434 132 Graphic Packaging Holding Co. 4,224.78 113,439 Valar Kentrologies Inc. 16,434 132 Graphic Packaging Holding Co. 4,224.78 113,439 Valar Kentrologies Inc. 13,436 144 24 Commercial Media Loc. 1,811,101 93284 Valar Kentrologies Inc. 13,436 114 24 Commercial Media Loc. 1,881,581 865,56 Astore Corp. 13,863 118 Senso Products Co. 1,165,629 31,300 Fraphic Inc. 13,863 118 Senso Products Co. 1,165,629 31,300 Fraphic Inc. 13,271,1600 More Markan Loc. 3,49,077 72,050 Fraphic Inc. 13,272,1600 More Markan Loc. | * | | , | | 0 | |
| Interfinis Electronics Inc. 13,813 174 AparaCroup Inc. 964,318 117209 Presto Automation Inc. 371079 168 Berry Golda Group Inc. 371045 117855 BTCS Inc. 16,344 132 Graphe Packaging Holing Co. 3228,778 111,558 Dues Echnologies Group Inc. 45,077 131 Axata Costing Systems Lto. 3228,579 110,650 Versity Marchings Inc. 45,077 131 Axata Costing Systems Lto. 3228,579 110,800 Versity Marchings Inc. 502,469 126 Accea Corp. 2,440,821 82,778 Versity Marching Corp. 13,833 118 Sancos Products Co. 1,881,813 85,855 Versity Marching Inc. 10,8363 118 Sancos Products Co. 1,881,813 85,855 Versity Intermed Inc. 32,8327 118 Sancos Products Co. 1,848,987 70,925 Paramet Nodings Inc. 32,8327 118 Sancos Products Co. 1,848,987 70,925 Paramet Nodings Inc. 13,230,0016 Gancos Products Co. | * | | , | | | |
| * BTCS Inc. 87,844 143 Royal Coli Inc. 970,945 111,858 Climpse Corup Inc. 118,444 132 Graphe Corup. 43,322 111,858 Dusta Storage Corup. 43,322 121 Eagle Materials Inc. 31,81,01 970,845 971,81,01 972,825 ** Mark Tachinalogias Inc. 33,462 120 Colin. Corp. 1,81,01 972,925 ** Mark Tachinalogias Inc. 33,462 120 Colin. Corp. 1,81,01 972,926 ** Astrotech Corp. 13,863 130 Sonce Products Co. 1,481,501 981,926 ** Astrotech Corp. 13,863 112 Element Solutions Inc. 3,280,300 76,946 ** Astrotech Corp. 47,807 70,395 881,320 681,320 76,946 ** 14,941 Inc. 13,220,800 76,946 897,97 71,957 ** Astrotech Corp. 47,847,077 70,957 974 974,977 78,976 89,777 70,978 86,767 | *,1 | | , | | | |
| Gimpse Group Inc. 116,149 132 Grainb Packaging Holding Co. 4,247,780 111,580 Data Scholdengles Broup Inc. 45,457 131 Avalan Costing Systems Lid. 3,255,797 116,866 Data Scholdengles Broup Inc. 43,482 131 CalArm Corp. 2,181,101 103,9325 CalArm Corp. 502,246 129 Olin Corp. 2,181,101 88,757 CalarOne Inc. 111,784 120 Artine. 1,887,101 88,757 Varh/Me Inc. 108,857 120 Artine. 1,887,101 88,757 Varh/Me Inc. 108,857 120 Artine. 1,829,140 7,978 Grapton Inc. 33,237 111 Balacher Corp. 2,193,443 60,783 Furuware Inc. 112,320 99 Lourmour Co. 2,118,44 60,783 Barkboardosta Inc. 110,780 95 Lourmour Co. 2,118,44 60,783 Barkboardosta Inc. 110,780 95 Lourmour Co. 2,13,177 68,914 Barkboardosta Inc. | * | | | | | |
| Duck Technologies Group. 45,687 131 Fadje Materials Inc. 812,214 0,0388 Valia K technologies Enc. 33,462 129 Olin Cars. 1,181,01 97326 Valia K technologies Enc. 34,462 129 Olin Cars. 1,213,014 88,751 Varia K technologies Enc. 114,744 124 Commercial Metals Co. 1,263,081 88,556 Association Corp. 138,853 118 Sence Products Co. 1,263,081 88,556 Association Corp. 132,3563 118 Sence Products Co. 1,263,077 70,075 Backtowarobis Enc. 323,269 108 Chemoras Co. 2,213,384 68,378 Pharware Enc. 1,323,560 108 Chemoras Co. 2,213,384 68,378 Sockart Mobile Inc. 119,700 96 Summit Materials Enc. Class A 1,786,78 68,378 Sockart Mobile Inc. 61,750 44,878 64,879 64,878 64,878 Sockart Mobile Inc. 132,868 64 1,786,784 64,879 1,785,786 | * | | | | | |
| ¹ Deta Storage Corp. 45.32 131 Eagle Materias Inc. 151.214 105.244 Velink Technologies Inc. 33.442 229 Olin Corp. 2.440.921 89.795 Cal Arm Corp. 10.4344 229 Olin Corp. 2.440.921 89.795 VerifyMe Inc. 10.8677 120 AT1 Inc. 1.836.101 85.694 VerifyMe Inc. 12.803 1115 Select ArCorp. 2.159.443 77.6976 1 Protocols Inc. 32.939 1115 Select ArCorp. 2.159.444 77.6976 1 Photometric Inc. 13.23000 108 Conerours Co. 2.211.844 68.592 2 Photometric Inc. 19.1068 Louinan-Pacific Corp. 241.667 67.073 3 Backbaserosis Inc. 47.807 79.895 Louinan-Pacific Corp. 94.896 66 67.073 4 Freidigine Digital Inc. 191.068 Asiland Inc. 75.884 48.433 5 Socket Mobile Inc. 47.186.791 Westatskcorp. 79.186 <td>*</td> <td></td> <td></td> <td></td> <td></td> <td></td> | * | | | | | |
| 1* Verkikk Technologies Inc. 33,442 129 Olin Corp. 2,840,201 88,751 Calkorp Corp. 502,364 126 Alkona Corp. 2,840,201 88,751 CelarOpe Inc. 117,781 124 Commercial Metals Co. 1,730,114 88,575 Artotech Corp. 13,883 118 Soncos Preducts Co. 1,831,818 556 Artotech Corp. 2,120,494 7,076 7,849 7,076 7,849 Capton Inc. 38,297 111 Element Solutions Inc. 3,200,740 7,5816 Bindpeline Diptal Inc. 110,780 8770 68,592 7,676 68,592 1* Bindpeline Diptal Inc. 110,780 69,770 68,592 64,733 766,874 1* Boxlight Corp. 471,377 65,744 56,852 76,776 83,829 1* Interact Inc. 87,861 79 Ashind Inc. 755,864 64,733 1* Interact Inc. 87,810 79 Ashind Inc. 756,844 64,733 </td <td>*</td> <td></td> <td></td> <td></td> <td></td> <td></td> | * | | | | | |
| ClearCole Inc. 11,729 120 Commercial Metals Co. 1,730,114 B65,75 Astrobeh Corp. 13,863 118 Sonce Products Co. 1,455,629 81,326 Tealpha Tech Corp. 33,744 112 Element Solutions Inc. 3,780,70 70,895 Blackboxstocks Inc. 33,744 112 Element Solutions Inc. 3,780,70 70,895 Phinware Inc. 1,323,080 106 Chemours Co. 2,211,884 66,703 Aley Inc. 40,220 106 Caber Corp. 821,836 66,873 Branck Moling Inc. 119,006 50 Summt Materials Inc. Class A 1,780,478 66,873 Boxing Miching Inc. 119,006 50 Summt Materials Inc. Class A 17,80,478 78,976 Mineral Security Instruments Inc. 4,7378 79 Ashland Inc. 72,7071 63,828 Mineral Security Instruments Inc. 1,7378 79 Ashland Inc. 72,7071 63,828 Mineral Security Instruments Inc. 1,7378 79 Ashland Inc. 75,7071 | *,1 | | | | | |
| VertifyNel Inc. 108,687 120 A Thinc. 1,881,681 885,586 VertifyNel Inc. 13,883 118 Sonceo Products Co. 1,455,652 81,326 VertifyNel Inc. 33,744 112 Element Solutions Inc. 3,280,74 75,916 Blackboxstocks Inc. 33,744 112 Element Solutions Inc. 3,280,74 75,916 Phruyene Inc. 1,323,060 006 Cobmour Go. 2,211,644 66,737 Pringeline Digital Inc. 110,750 69,737 69,839 60,737 69,737 </td <td>*</td> <td>•</td> <td></td> <td>126</td> <td></td> <td></td> | * | • | | 126 | | |
| *** Astroneth Corp. 13.883 118 Sonce Products Co. 1.455.629 81.320 *** Pathpla Tech Corp. 2.126.433 77676 *** Blackboostocks Inc. 33.297 111 Element Solutions Inc. 3.200,400 75.916 *** Marking Inc. 1.323.060 106 Chernours Co. 2.211,844 68,753 *** Akye Inc. 1.02,790 66 Summit Materials Inc. Class A 1.764,679 67,870 *** Stack Michings Inc. 110,790 69 Summit Materials Inc. 471,377 65,974 *** Stack Michings Inc. 110,790 69 Summit Materials Inc. 71,377 65,974 **** Stack Michings Inc. 1.713,777 65,974 61,333 71,377 65,974 ***** Stack Michings Inc. 1.726,076 72,107 62,323 ************************************ | | | , | | | |
| *** **** **** ***** ****** ************************************ | * | | | | | |
| Optor Inc. 38,784 112 Element Solutions Inc. 3.280,700 75,816 Biackboarcocks Inc. 32,230,90 198 Chemours Co. 2.211,844 69,783 Fundpaine Digital Inc. 110,790 98 Summark Materials Inc. Class A 1,784,878 67,870 Brank Holdings Inc. 110,790 98 Summark Materials Inc. Class A 1,784,878 67,870 Brank Holdings Inc. 191,066 Louisian-Fedific Corp. 448,896 67,073 Socker Mohole Inc. 67,170 79 445,916 76,070 68,896 Tatron Components Inc. Class A 149,945 70 Alumeral Socuration Corp. 72,607,66 Socker Mohole Inc. 181,298 66 Avient Corp. 103,373,44 56,618 Oldrad Ally Inc. 30,556 44 Avient Corp. 133,378,44 56,618 Oldrad Ally Inc. 30,556 44 Avient Corp. 133,378,44 56,618 Oldrad Ally Inc. 30,556 45 Avient Corp. 1,202,550 52,108 Intruson I | *.1 | | | | | |
| *** Backboxstocks Inc. 39,297 111 Batherm Corp. 478,807 70,252 *** AFye Inc. 1.323,060 108 Chemours Co. 2.211,884 68,763 *** AFye Inc. 10,770 95 Summit Materials Inc. Class A 821,338 68,783 *** Bardgeline Digital Inc. 110,709 95 Summit Materials Inc. Class A 948,856 67,073 ** Bardgeline Digital Inc. 131,066 95 Louisane-Pacific Corp. 948,856 67,073 ** Bardgeline Digital Inc. 67,150 79 HB Fuller Co. 795,076 65,829 ** Universal Security Instruments Inc. 478,874 70 Anish Materiallurgical Resources Inc. 174,502 65,812 ** Sobr Self Inc. 138,296 66 NewMater Corp. 1,337,344 66,813 4,916 Anish Materiallurgical Resources Inc. 174,502 56,518 ** Digital Ally Inc. 20,372 97 Carpenter Technology Corp. 7,38,895 52,108 | * | | | | | |
| 1 Phumware Inc. 1.323.060 108 Chemours Co. 2.21.834 697.63 A Keyelno. 10.790 96 Cabot Corp. 821.338 68.882 Bridgeline Digital Inc. 119.790 96 Summit Materials Inc. Class A 1.766.678 67073 Bodgeline Digital Inc. 119.706 95 Summit Materials Inc. Class A 1.766.678 67073 Socket Mobile Inc. 671.713 Withwestal Security Instruments Inc. 471.878 79 Ashind Inc. 795.884 61.733 Tatiton Components Inc. Class A 2.16.40 76 Huntsman Corp. 2.440.814 61.338 1 Socket Mobare Inc. 181.926 66 NewMarket Corp. 132.9324 56.814 1 Socket Mobare Inc. 181.926 66 NewMarket Corp. 133.9324 55.85 1 ClSO Global Inc. 588.14 60 Signa Holdings Inc. 120.555 52.208 1 ClSO Solbal Inc. 8.9825 45 Somi Technologies Corp. 2.23.93 4.708.93 1 | * | | | | | |
| Bindgeline 110 750 96 * Summit Marinal Inc. Class A 1784 873 68737 Bindgeline 110 750 96 Summit Marinal Inc. Class A 1784 873 68737 Bondgeline Coc. 191 086 Louisane Pacific Cop. 94 6956 62073 Bondgeline Coc. 671 50 79 HB Fuller Co. 798,076 63,823 Tutor Components Inc. Class A 21,640 76 Hunstrana Corp. 2,440,814 61,323 Subristie Inc. 118,286 66 NewMarket Corp. 10,285 56,181 Marin Software Inc. 118,286 66 NewMarket Corp. 13,3734 56,618 10 Digital Ally Inc. 30,556 64 Avient Corp. 13,3734 56,618 11 Starp Inc. 12,202,550 52,915 51,518 51,618 51,618 12 OSC Global Inc. 12,23,729 57 Carpenter Technology Corp. 2,456,656 47,749 13 Starp Inc. 2,323,729 52 Levet Corp. 2,456,656 47,749 14 Marinal Kondings Inc. <td>*,1</td> <td>Phunware Inc.</td> <td></td> <td>108</td> <td></td> <td></td> | *,1 | Phunware Inc. | | 108 | | |
| bittigenine Lightan Inc. 10,740 36 Suffmit Materians Cass A 1,745,67 0,747 Pernak Holdings Inc. 191,066 95 Louislane-Pacific Corp. 94,498,66 7073 Socket Mobile Inc. 67,150 79 HB Fuller Co. 795,0076 63,829 Turtor Components Inc. Class A 21,640 76 Hurtsman Corp. 2,444,814 61,338 Socket Mobile Inc. 183,936 64 Ashland Inc. 174,502 59,142 Main Software Inc. 181,896 66 NewMarket Corp. 102,925 55,255 T Stamp Inc. Class A 44,099 60 Silgan Holdings Inc. 1,202,550 54,415 T Stamp Inc. Class A 44,099 50 Caspenter Technology Corp. 2,856,658 47,749 Ark Intrusion Inc. 22,329 52 Caspenter Technology Corp. 2,856,656 44,7749 Intrusion Inc. 26,565 52 Warior Met Coal Inc. 76,6679 45,190 Nortsch Systems Inc. 26,565 52 Warior Sistem Feancy Corp. 2,140,426 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| ************************************ | | 5 5 | , | | Summit Materials Inc. Class A 1,764,6. | |
| Socket Mobile Inc. 6150 79 Hersdawspin 190 44,393 Universal Security Instruments Inc. 41,378 79 Ashlard Inc. 76,706 63,289 Interno Components Inc. Class A 21,640 76 Huminsman Corp. 24,40,814 61,338 Interno Components Inc. Class A 21,640 76 Huminsman Corp. 102,4981 66,138 Interno Components Inc. 181,286 66 NewMarket Corp. 102,2981 66,194 Intrusion Inc. 58,814 60 Knife Neve Corp. 13,37,934 55,658 Intrusion Inc. 22,729 67 Carpenter Technology Corp. 73,5995 52,108 Paraso Inc. 187,583 52 ¹¹ Livent Corp. 265,568 47,499 SE Systems Inc. 265,559 52 Warin Other, Coal Inc. 76,679 44,866 Sonim Technologies Inc. 58,810 44 Quaker Chemical Corp. 244,066 43,552 Audia Inc. 154,558 9 MP Materials Corp. 244,066 43,552< | | 8 | | | | , |
| 1 Universal Security Instruments Inc. 47378 79 Ashland Inc. 757076 63829 1 Soft Safe Inc. 148,945 70 Alpha Metallurgical Resources Inc. 174,502 59,142 1 Soft Safe Inc. 181,298 66 NewMarket Corp. 1,03,2951 56,119 1 Objetal Ally Inc. 30,566 64 Avient Corp. 1,83,2934 55,618 1 CLSO Global Inc. 1,223,729 57 Carpenter Technology Corp. 2,655,668 47,479 1 Intrusion Inc. 28,559 52 10 Warrior Met Corp. 2,655,668 47,479 1 Notrech Systems Inc. 48,84 46 Innospec Inc. 3,66,679 45,190 1 Intellinetics Inc. 58,810 44 Quaker Chemical Corp. 2,404,066 43,552 1 Audia Inc. 154,558 39 M Paterials Corp. 622,321 41,073 1 Intellinetics Inc. 58,016 40 Quaker Chemical Corp. 63,130 | * | 0 | | | | |
| Tatron Components Inc. Class A 21, P40 76 Huntsman Corp. 2, 440, 814 F1, 350 Sobr Safe Inc. 181, 298 66 NewMarket Corp. 102, 951 651 Olginal Ally Inc. 30, 556 64 Avient Corp. 103, 7934 55, 618 CISO Global Inc. 588, 914 60 Knife River Corp. 13, 3734 55, 618 T Stamp Inc. Class A 44, 099 60 Silgan Hodings Inc. 1, 202, 550 54, 415 T Stamp Inc. Class A 44, 099 60 Silgan Hodings Inc. 1, 202, 550 54, 415 T Stamp Inc. Class A 44, 099 60 Silgan Hodings Inc. 1, 202, 550 54, 415 T Stamp Inc. Class A 44, 099 60 Silgan Hodings Inc. 7, 20, 556, 568 47, 499 GSE Systems Inc. 2, 855, 559 50 Warm Corp. 2, 466, 531 46, 760 Intellinetis Inc. 8, 825 45 Arch Resources Inc. 2, 240, 664 43, 552 Audia Inc. 19, 493 Waterial Corp. 2, 44, 664 10, 633 | *,1 | | | | | , |
| Indiana Solution Indiana Solution Indiana Solution Indiana Solution Indiana Solution Main Solution 30,556 64 Avient Corp. 1,337,334 65,619 Digital Ally Inc. 58,914 60 Knife River Corp. 1,325,550 55,255 T Stamp Inc. Class A 44,099 60 Silgan Holdings Inc. 1,202,550 54,115 Intrusion Inc. 233,729 Carpenter Technology Corp. 735,995 52,108 Perso Inc. 187,583 52 '' Livent Corp. 2,665,668 47,749 SE Systems Inc. 4,884 46 Innospec Inc. 366,79 45,190 Notrich Systems Inc. 4,884 46 Innospec Inc. 2,140,426 42,488 Solution 14,456 39 MP Materials Corp. 2,140,426 42,488 CXApp Inc. 144,568 39 MP Materials Corp. 30,130 30,313,30 30,3446 Contracts Nace 6,772 33 Soctts Miracle-Gro Co. 618,034 39,400 30,446 Mirerals Fechnol | | | | | | |
| Dingtal Minus Minus Minus Dingtal Minus | *,1 | | 148,945 | 70 | Alpha Metallurgical Resources Inc. 174,50 | 2 59,142 |
| 1 CISO Global Inc. 588,914 60 * Knife River Corp. 834,925 55,255 1 T Stamp Inc. Class A 44,099 60 Sigar Holdings Inc. 1,202,560 54,415 1 Intrusion Inc. 23,729 57 Carpenter Technology Corp. 2,855,568 47,749 1 Peraso Inc. 187,583 52 1 Livent Corp. 2,655,568 47,749 1 SE Systems Inc. 2,559 52 Varior Met Coal Inc. 366,679 45,190 1 Intellinetics Inc. 4,884 46 Innospec Inc. 366,679 45,190 3 Auddia Inc. 154,558 39 MP Materials Corp. 2,104,074 42,488 4 Cukap Inc. 154,558 39 MP Materials Corp. 2,104,046 42,488 4 Cukap Inc. 2,720,104 35 Sensitent Technologies Corp. 2,104,046 44,189 1 Inpixon 560,094 33 Materion Corp. 303,130,94,46 349,400 1 Inpixon 560,094 33 Materion Corp. <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | |
| ************************************ | | • | | | | |
| 1 Intrusting Inc. 223,729 57 Carpenter Technology Corp. 733,985 52,108 Peraso Inc. 187,583 52 '' Livent Corp. 2,655,658 47,449 IGSE Systems Inc. 25,559 Varior Met Coal Inc. 366,679 44,866 Nortech Systems Inc. 4,884 46 Innospecting Inc. 204,066 43,552 1 Audia Inc. 59,810 44 Ousker Chemical Corp. 2,140,426 42,486 2 Sonim Technologies Inc. 59,810 44 Ousker Chemical Corp. 2,140,426 42,486 2 CXApp Inc. 27,801 36 Sensient Technologies Corp. 62,231 41,073 1 Arspan Networks Holdings Inc. 39,4024 35 Heola Mining Co. 8,43,709 9,446 2 Sensient Technologies Inc. 6,772 33 Scotts Miracle-Gro Co. 618,034 39,400 3 MariaDB pic 19,196 3 O-I Giass Inc. 2,288,867 37,442 Sotura Holdings Inc. < | | | | | | |
| Perso Inc. 187.823 5.2 *1 Uverto Corp. 2.655.688 477.49 I GSE Systems Inc. 25,559 52 Varrior Met Coal Inc. 766,931 46,760 Nortech Systems Inc. 4.884 46 Innospec Inc. 366,679 45,190 Intellinetics Inc. 8.825 45 Arch Resources Inc. 270,374 44,864 Sonim Technologies Inc. 154,558 39 Martenial Corp. 2140,466 42,488 CXApp Inc. 27001 36 Sensient Technologies Corp. 622,321 41,073 Arspan Networks Holdings Inc. 394,024 35 Hecla Mining Co. 8,434,709 40,571 Inpixon 500,094 33 Materion Corp. 303,130 39,400 MariabB plc 119,196 33 Cottas Inc. 2,285,857 37,442 Soluan Holdings Inc. 126,481 Collass Inc. 2,485,857 37,442 Soluan Holdings Inc. 136,493 27 5 Gravin Longo Bio Corp. 313,523 29,644 | *,1 | • | | | | |
| 1 GSE Systems Inc. 25,559 52 Warror Met Coal Inc. 766,931 46,760 Notrech Systems Inc. 4,884 46 Innospec Inc. 366,679 45,190 1 Intellinetics Inc. 58,810 44 Cuaker Chemical Corp. 204,066 43,552 2 Auddi Inc. 154,565 39 MP Materials Corp. 214,0426 42,488 2 Auddi Inc. 154,565 39 MP Materials Corp. 622,321 41,073 3 Airspan Networks Holdings Inc. 394,024 35 Hecia Mining Co. 8,434,709 40,571 1 Inpixon 580,094 33 Materion Corp. 303,130 39,446 1 Comtrex Inc. 6,772 33 Scotts Miracle-Gro Co. 618,034 39,400 1 Controx Inc. 186,493 27 16 Ginkgo Bioworks Holdings Inc. 478,996 34,157 1 DatChat Inc. 39,659 25 Styham Corp. 319,620 25,522 1 < | * | | , | | | |
| ************************************ | *,1 | GSE Systems Inc. | | | | |
| Instruction Docs Participation Participation Participation Participation Sonim Technologies Inc. 59,810 44 Quaker Chemical Corp. 214,046 43,552 Auddia Inc. 154,558 39 MP Materials Corp. 2,140,426 42,488 CXApp Inc. 27,801 36 Sensine Technologies Corp. 622,321 41,073 Inpixon 580,094 33 Materian Corp. 303,130 39,446 Centrex Inc. 6,772 3 Scotts Miracle-Gro Co. 618,034 39,400 MariaDB plc 119,196 33 O-I Class Inc. 2,285,87 37,442 Soluma Holdings Inc. 7,454 30 Minerals Technologies Inc. 478,996 34,157 ChitNg Inc. 18,6493 27 'Ginkgo Bioworks Holdings Inc. Class A 19,811,885 33,482 DatChat Inc. 9,288 27 Stepan Co. 313,523 29,644 Veda Solutions Inc. 39,467 24 Orion SA 852,288 23,634 COMNIQ Cor | * | | | | | |
| Solum lechnologies inc. 39,810 44 Outlaser Chemical Lorp. 204,060 4,3,552 Auddia Inc. 154,558 39 MP Materials Corp. 2,140,426 42,488 ** CXApp Inc. 27,801 36 Sensient Technologies Corp. 8,434,709 40,571 ** Inpixon 580,094 35 Hecla Mining Co. 8,434,709 40,571 ** Inpixon 680,094 33 Materion Corp. 303,130 39,446 ** Cemtrex Inc. 6,772 33 Soluta Holdings Inc. 2,285,857 37,442 ** Soluta Holdings Inc. 7,454 30 Minerals Technologies Inc. 478,996 34,157 ** OxNGN Inc. 186,493 27 ** Stepan Co. 313,523 29,644 ** DactChat Inc. 9,286 27 Stepan Co. 313,532 29,644 *** Loda Solutions Inc. 39,459 25 Greif Inc. Class A 430,312 28,224 VoMata Solutions Inc. <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | |
| 1 CMADIA Inc. 104,030 03 Min Matabolis Corp. 2,140,420 42,400 1 Airspan Networks Holdings Inc. 394,024 35 Hecla Mining Co. 8,434,709 40,571 1 Inpixon 580,094 33 Materion Corp. 303,130 39,446 1 Inpixon 580,094 33 Materion Corp. 303,130 39,446 1 Inpixon 580,094 33 Materion Corp. 303,130 39,446 1 Cemtrex Inc. 6,772 3 Soctts Miracle-Gro Co. 618,034 39,400 1 MariaDB plc 119,196 33 Ol Class Inc. 478,996 34,157 2 Soluna Holdings Inc. 7,454 30 Minerals Technologies Inc. 478,996 34,157 2 DatChat Inc. 9,288 27 Stepan Co. 313,523 29,644 1 Castellum Inc. 83,675 25 Gright Inc. Class A 430,312 28,224 1 Noto Xeatering Holding Corp. 27,468 2 Ingevity Corp. 519,690 25,522 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | |
| **** Airspan Networks Holdings Inc. 394,024 35 Hecla Mining Co. 8,434,709 40,571 **** Inpixon 580,094 33 Materion Corp. 303,130 39,446 *** Cerntrex Inc. 67,772 33 Scotts Miracle-Gro Co. 618,034 39,400 ** MariaDB plc 119,196 33 O-I Glass Inc. 2,285,857 37,442 ** Soluna Holdings Inc. 7,454 30 Minerals Technologies Inc. 478,996 34,157 ** CYNKN Inc. 186,493 27 ** Stepan Co. 313,523 29,644 ** Castellum Inc. 9,288 27 Stepan Co. 313,523 29,644 ** Castellum Inc. 39,407 24 Tronox Holdings Inc. 19,811,885 32,8224 * Veda Solutions Inc. 9,642 24 Orion SA 852,288 20,834 * ADDvartage Technologies Group Inc. 9,642 24 Orion SA 852,288 20,834 * Network-1 Technologies Inc. 9,774 21 Hawkins Inc. <td< td=""><td>*,1</td><td></td><td></td><td></td><td></td><td></td></td<> | *,1 | | | | | |
| **1 Inpixon 580,094 33 Materion Corp. 303,130 39,446 **1 Cemtrex Inc. 6,772 33 Scotts Miracle-Gro Co. 618,034 39,400 **1 Soluna Holdings Inc. 119,196 33 O -I Glass Inc. 2,285,857 37,442 **1 Soluna Holdings Inc. 7454 30 Minerals Technologies Inc. 478,996 34,157 **1 Soluna Holdings Inc. 9,288 27 Stepan Co. 313,523 29,644 **1 Castellum Inc. 9,288 27 Stepan Co. 313,523 29,644 **1 Castellum Inc. 83,675 25 Greif Inc. Class A 430,312 28,224 * breds Solutions Inc. 39,407 24 Tronox Holdings plc 1,697,390 24,035 * OMNIQ Corp. 39,407 24 Tronox Holdings plc 1,697,390 24,035 * ADDvantage Technologies Group Inc. 9,642 24 Orion SA 852,288 23,634 * I COMSovereign Holding Corp. 27,7468 22 Coeur Mining Inc. 5,898,717 23,597 | *,1 | | | | • | |
| • Hinds Min. 0,72 50 Octa Minato Oct. 01,064 30,405 • MariaDB pic 19,196 33 O-I Glass Inc. 2,285,857 37,442 • VYNGN Inc. 186,493 27 * I soluma Holdings Inc. 478,996 33,452 • DatChat Inc. 9,288 27 Stepan Co. 313,523 29,644 • I castellum Inc. 83,675 25 Greif Inc. Class A 430,312 28,224 • Iveda Solutions Inc. 39,459 25 Sylvamo Corp. 519,660 25,522 • OMNIC Corp. 39,407 24 Tronox Holdings plc 1,697,390 24,035 • ADDvantage Technologies Group Inc. 9,642 24 Orion SA 852,288 23,634 • Network-1 Technologies Inc. 9,774 21 Hawkins Inc. 290,771 20,476 • SRAX Inc. 284,252 20 Coeur Mining Inc. 5,888,372 19,229 • Bio-key International Inc. 6,653 20 Kaiser Aluminum Corp. 237,933 16,380 • WaveDancer I | *,1 | | | 33 | | |
| *-1 Soluna Holdings Inc. 7,454 30 Minerals Technologies Inc. 478,996 34,157 *-1 CYNGN Inc. 186,493 27 *'1 Ginkgo Bioworks Holdings Inc. Class A 19,811,885 33,482 *-1 DatChat Inc. 9,288 27 Stepan Co. 313,523 228,244 * Veda Solutions Inc. 39,559 25 Sylvamo Corp. 519,690 25,522 OMNIQ Corp. 39,407 24 Tronox Holdings plc 1,697,390 24,035 * ADDvantage Technologies Group Inc. 9,642 24 Orion SA 82,228 23,634 *-1 COMSovereign Holding Corp. 27,468 22 Ingevity Corp. 499,717 23,597 Network-1 Technologies Inc. 9,774 21 Hawkins Inc. 290,771 20,476 *-2 SRAX Inc. 284,252 20 Coeur Mining Inc. 5,898,372 19,229 *-1 WaveDancer Inc. 11,093 19 Koppers Holdings Inc. 319,402 16,360 *-1 WaveDancer Inc. 5,427 16 Ryerson Holding Corp. 423,565 | *,1 | | | | | |
| 1 CYNGN line. 186,493 27 *1 Ginkgo Bioworks Holdings Inc. Class A 19,811,885 33,485 *1 DatChat Inc. 9,288 27 Stepan Co. 313,523 29,644 *1 Castellum Inc. 83,675 25 Grifkgo Bioworks Holdings Inc. Class A 430,312 28,224 !veda Solutions Inc. 39,559 25 Sylvamo Corp. 519,690 25,522 OMNIQ Corp. 39,407 24 Tronox Holdings plc 1,697,390 24,035 *1 COMSovereign Holding Corp. 9,642 24 Orion SA 852,288 23,634 *2 COMSovereign Holding Corp. 9,774 21 Hawkins Inc. 290,771 29,572 *2 SRAX Inc. 9,774 21 Hawkins Inc. 290,771 20,476 *3 Bio-key International Inc. 6,653 20 Kaiser Aluminum Corp. 23,933 16,938 *1 WaveDancer Inc. 11,093 19 Koppers Holding Corp. 432,365 14,944 *1 Verb Technology Co. Inc. 68,376 12 Ecovyst Inc. 1,526,7 | * 1 | | | | | |
| 1 DatChat Inc. 9,288 27 Stepan Co. 31,523 29,644 *1 Castellum Inc. 83,675 25 Greif Inc. Class A 430,312 28,224 Iveda Solutions Inc. 39,559 25 Sylvamo Corp. 519,690 25,522 * OMNIQ Corp. 39,407 24 Tronox Holdings plc 1,697,390 24,035 * ADDvantage Technologies Group Inc. 9,642 24 Orion SA 852,288 23,634 * OMSovereign Holding Corp. 27,468 22 Ingevity Corp. 499,717 23,597 Network-1 Technologies Inc. 9,774 21 Hawkins Inc. 290,771 20,476 * SRAX Inc. 284,252 20 Coeur Mining Inc. 5,893,793 16,938 * WaveDancer Inc. 11,093 19 Koppers Holding Inc. 319,402 16,360 * Minim Inc. 8,992 18 TriMas Corp. 332,365 14,994 * VaveDancer Inc. 5,427 16 Ryerson Holding Corp. 432,365 14,994 * VaveDancer Inc. 1,093 19 Koppers Holding Corp. 432,36 | | | | | | |
| Dickellum Inc. 5,200 21 Greif Inc. Class A 310,312 28,224 Iveda Solutions Inc. 39,559 25 Sylvamo Corp. 519,690 25,522 OMNIQ Corp. 39,407 24 Tronox Holdings plc 1,697,390 24,035 ADDvantage Technologies Group Inc. 9,642 24 Orion SA 852,288 23,634 *1 COMSovereign Holding Corp. 27,468 22 Ingevity Corp. 499,717 23,597 Network-1 Technologies Inc. 9,774 21 Hawkins Inc. 290,771 20,476 *2 SRAX Inc. 284,252 20 Coeur Mining Inc. 5,898,372 19,229 *3 Bio-key International Inc. 6,653 20 Kaiser Aluminum Corp. 237,933 16,938 *1 WaveDancer Inc. 11,093 19 Koppers Holding Corp. 430,312 4,902 *1 WaveDancer Inc. 5,427 16 Ryerson Holding Corp. 432,365 14,994 *1 Verb Technology Co. Inc. 68,376 12 Ecovyst Inc. 1,526,790 14,917 *1 | *,1 | | | | | |
| Iveda Solutions Inc. 39,559 25 Sylvamo Corp. 519,690 25,522 OMNIQ Corp. 39,407 24 Tronox Holdings plc 1,697,390 24,035 ADDvantage Technologies Group Inc. 9,642 24 Orion SA 852,288 23,634 *1 COMSovereign Holding Corp. 27,468 22 Ingevity Corp. 499,717 23,597 Network-1 Technologies Inc. 9,774 21 Hawkins Inc. 290,771 20,476 *2 SRAX Inc. 284,252 20 Coeur Mining Inc. 5,898,372 19,229 Bio-key International Inc. 6,653 20 Kaiser Aluminum Corp. 237,933 16,938 *1 WaveDancer Inc. 11,093 19 Koppers Holding Inc. 319,402 16,366 *1 WaveDancer Inc. 5,477 16 Ryerson Holding Corp. 432,365 14,994 *1 Verb Technology Co. Inc. 58,376 12 Ecovyst Inc. 1,526,790 14,917 *1 Akerna Corp. 24,000 10 TimkenSteel Corp. 588,716 13,805 *1 < | *,1 | | | | • | |
| ADDvantage Technologies Group Inc. 9,642 24 Orion SA 852,288 23,634 *1 COMSovereign Holding Corp. 27,468 22 Ingevity Corp. 499,717 23,597 Network-1 Technologies Inc. 9,774 21 Hawkins Inc. 290,771 20,476 *2 SRAX Inc. 284,252 20 Coeur Mining Inc. 5,898,372 19,229 Bio-key International Inc. 6,653 20 Kaiser Aluminum Corp. 237,933 16,938 *1 WaveDancer Inc. 11,093 19 Koppers Holdings Inc. 319,402 16,360 Minim Inc. 5,427 16 Ryerson Holding Corp. 432,365 14,994 *1 Verb Technology Co. Inc. 68,376 12 Ecovyst Inc. 1,526,790 14,917 *1 Akerna Corp. 24,000 10 TimkenSteel Corp. 588,716 13,805 *1 Oblong Inc. 24,238 8 Compass Minerals International Inc. 506,524 12,825 *1 Misen Actington Steel Inc. 45,800 5 Mativ Holdings Inc. 835,643 12,794 </td <td>*</td> <td></td> <td></td> <td></td> <td>Sylvamo Corp. 519,65</td> <td>0 25,522</td> | * | | | | Sylvamo Corp. 519,65 | 0 25,522 |
| *1 COMSovereign Holding Corp. 27,468 22 Ingevity Corp. 499,717 23,597 Network-1 Technologies Inc. 9,774 21 Hawkins Inc. 290,771 20,476 *2 SRAX Inc. 284,252 20 Coeur Mining Inc. 5,898,372 19,229 Bio-key International Inc. 6,653 20 Kaiser Aluminum Corp. 237,933 16,938 *1 WaveDancer Inc. 11,093 19 Koppers Holdings Inc. 319,402 16,360 *1 WaveDancer Inc. 8,992 18 TriMas Corp. 630,536 15,972 Sigma Additive Solutions Inc. 5,427 16 Ryerson Holding Corp. 432,365 14,994 *1 Verb Technology Co. Inc. 68,376 12 Ecovyst Inc. 1,526,790 14,917 *1 Akerna Corp. 24,000 10 TimkenSteel Corp. 588,716 13,805 *1 Oblong Inc. 45,359 9 SunCoke Energy Inc. 1,236,752 13,283 *1 FOXO Technologies Inc. 24,238 8 Compass Minerals International Inc. 506,524 <t< td=""><td>*</td><td></td><td></td><td></td><td></td><td></td></t<> | * | | | | | |
| Verb Colvisoreteigh Holding Colp. 27,488 22 Ingevity Colp. 499,717 23,597 Network-1 Technologies Inc. 9,774 21 Hawkins Inc. 290,771 20,476 *2 SRAX Inc. 284,252 20 Coeur Mining Inc. 5,898,372 19,229 Bio-key International Inc. 6,653 20 Kaiser Aluminum Corp. 237,933 16,938 *1 WaveDancer Inc. 11,093 19 Koppers Holdings Inc. 319,402 16,360 * Minim Inc. 8,992 18 TriMas Corp. 630,536 15,972 * Sigma Additive Solutions Inc. 5,427 16 Ryerson Holding Corp. 432,365 14,994 * Verb Technology Co. Inc. 63,76 12 Ecovyst Inc. 1,526,790 14,917 * Akerna Corp. 24,000 10 TimkenSteel Corp. 588,716 13,805 * Oblong Inc. 24,238 8 Compass Minerals International Inc. 506,524 12,825 * Oblong Inc. 45,800 5 Mativ Holdings Inc. 835,643 12,794 * Spectaire Holdings Inc. 504 1 <td>* * 1</td> <td></td> <td></td> <td></td> <td></td> <td></td> | * * 1 | | | | | |
| ***2 SRAX Inc. 5,898,372 19,229 Bio-key International Inc. 6,653 20 Kaiser Aluminum Corp. 237,933 16,938 *** WaveDancer Inc. 11,093 19 Koppers Holdings Inc. 319,402 16,360 Minim Inc. 8,992 18 Tri/Mas Corp. 630,536 15,972 *sigma Additive Solutions Inc. 5,427 16 Ryerson Holding Corp. 432,365 14,994 *.1 Verb Technology Co. Inc. 68,376 12 Ecovyst Inc. 1,526,790 14,917 *.1 Akerna Corp. 24,000 10 TimkenSteel Corp. 588,716 13,805 *.1 Oblong Inc. 45,359 9 SunCoke Energy Inc. 1,236,752 13,283 *.1 FOXO Technologies Inc. 24,238 8 Compass Minerals International Inc. 506,524 12,825 *.1 FOXO Technologies Inc. 45,800 5 Mativ Holdings Inc. 835,643 12,794 *.2 WiSA Technologies Inc. 504 1 Aspen Aerogels Inc. 802,686 12,666 *.4 Actelis | ·, I | | | | ingevity corp. 499,7 | |
| Bio-key International Inc. 26,653 20 Kaiser Aluminum Corp. 237,933 16,938 *1 WaveDancer Inc. 11,093 19 Koppers Holdings Inc. 319,402 16,360 *1 WaveDancer Inc. 8,992 18 TriMas Corp. 630,536 15,972 * Sigma Additive Solutions Inc. 5,427 16 Ryerson Holding Corp. 432,365 14,994 * Verb Technology Co. Inc. 68,376 12 * Ecovyst Inc. 1,526,790 14,917 * Akerna Corp. 24,000 10 * TimkenSteel Corp. 588,716 13,805 * Oblong Inc. 45,359 9 SunCoke Energy Inc. 1,236,752 13,283 * FOXO Technologies Inc. 24,238 8 Compass Minerals International Inc. 506,524 12,825 * WiSA Technologies Inc. 45,800 5 Mativ Holdings Inc. 835,643 12,794 * Spectaire Holdings Inc. 504 1 * Aspen Aerogels Inc. 802,686 12,666 * Actelis Networks Inc. 200 — * Worthington Steel Inc. 447,288 12,569 | *,2 | • | | | | |
| *.1 WaveDancer Inc. 11,093 19 Koppers Holdings Inc. 319,402 16,360 Minim Inc. 8,992 18 TriMas Corp. 630,536 15,972 Sigma Additive Solutions Inc. 5,427 16 Ryerson Holding Corp. 432,365 14,994 *.1 Verb Technology Co. Inc. 68,376 12 Ecovyst Inc. 1,526,790 14,917 *.4 Akerna Corp. 24,000 10 TimkenSteel Corp. 58,716 13,805 *.1 Oblong Inc. 45,359 9 SunCoke Energy Inc. 1,236,752 13,283 *.1 FOXO Technologies Inc. 24,238 8 Compass Minerals International Inc. 506,524 12,825 *.1 WiSA Technologies Inc. 45,800 5 Mativ Holdings Inc. 835,643 12,794 *.5 Spectaire Holdings Inc. 504 1 Aspen Aerogels Inc. 802,686 12,666 *.4 Actelis Networks Inc. 200 — Worthington Steel Inc. 447,288 12,5679 | * | | | | | |
| Minim Inc. 8,992 18 TriMas Corp. 630,536 15,972 Sigma Additive Solutions Inc. 5,427 16 Ryerson Holding Corp. 432,365 14,994 *.1 Verb Technology Co. Inc. 68,376 12 Ecovyst Inc. 1,526,790 14,917 *.1 Akerna Corp. 24,000 10 TimkenSteel Corp. 588,716 13,805 *.1 Oblong Inc. 45,359 9 SunCoke Energy Inc. 1,236,752 13,283 *.1 FOXO Technologies Inc. 24,238 8 Compass Minerals International Inc. 506,524 12,825 *.1 FOXO Technologies Inc. 45,800 5 Mativ Holdings Inc. 506,524 12,825 *.1 WiSA Technologies Inc. 504 1 Aspen Aerogels Inc. 802,686 12,666 *.4 Actelis Networks Inc. 200 — Worthington Steel Inc. 407,288 12,569 | *,1 | | | | | |
| *1 Verb Technology Co. Inc. 68,376 12 Ecovyst Inc. 1,526,790 14,917 *1 Akerna Corp. 24,000 10 TimkenSteel Corp. 588,716 13,805 *1 Oblong Inc. 45,359 9 SunCoke Energy Inc. 1,236,752 13,283 *1 FOXO Technologies Inc. 24,238 8 Compass Minerals International Inc. 506,524 12,825 *1 WiSA Technologies Inc. 45,800 5 Mativ Holdings Inc. 835,643 12,794 Spectaire Holdings Inc. 504 1 Aspen Aerogels Inc. 802,686 12,666 Actelis Networks Inc. 200 — Worthington Steel Inc. 447,288 12,569 | * | | 8,992 | 18 | TriMas Corp. 630,50 | 6 15,972 |
| Akerna Corp. 24,000 10 TimkenSteel Corp. 588,716 13,805 *1 Oblong Inc. 45,359 9 SunCoke Energy Inc. 1,236,752 13,283 *1 FOXO Technologies Inc. 24,238 8 Compass Minerals International Inc. 506,524 12,825 *1 WiSA Technologies Inc. 45,800 5 Mativ Holdings Inc. 835,643 12,794 * Spectaire Holdings Inc. 504 1 Aspen Aerogels Inc. 802,686 12,666 * Actelis Networks Inc. 200 — Worthington Steel Inc. 447,288 12,569 | * | 0 | | | | |
| Akerna Corp. 24,000 10 Timkensteel Corp. 588,716 13,805 1 Oblong Inc. 45,359 9 SunCoke Energy Inc. 1,236,752 13,283 1 FOXO Technologies Inc. 24,238 8 Compass Minerals International Inc. 506,524 12,825 1 WiSA Technologies Inc. 45,800 5 Mativ Holdings Inc. 835,643 12,794 Spectaire Holdings Inc. 504 1 Aspen Aerogels Inc. 802,686 12,666 Actelis Networks Inc. 200 — Worthington Steel Inc. 447,288 12,666 | | 6, | | | | , |
| *-1 FOXO Technologies Inc. 24,238 8 Compass Minerals International Inc. 506,524 12,825 *-1 WiSA Technologies Inc. 45,800 5 Mativ Holdings Inc. 835,643 12,794 * Spectaire Holdings Inc. 504 1 Aspen Aerogels Inc. 802,686 12,666 * Actelis Networks Inc. 200 — Worthington Steel Inc. 447,288 12,569 * Others Functional Inc. 400 00 — 401,267 402,676 | | | | | Timkensteel Corp. 588,7 | |
| *.1 WiSA Technologies Inc. 45,800 5 Mativ Holdings Inc. 835,643 12,794 * Spectaire Holdings Inc. 504 1 * Aspen Aerogels Inc. 802,686 12,666 * Actelis Networks Inc. 200 — * Worthington Steel Inc. 447,288 12,569 | *,1 | | | | | |
| * Spectaire Holdings Inc. 504 1 * Aspen Aerogels Inc. 802,686 12,666 * Actelis Networks Inc. 200 — * Worthington Steel Inc. 447,288 12,569 • Actelis Networks Inc. 200 — * Worthington Steel Inc. 400,005 12,257 | *,1 | | | | • | |
| | * | | | | | |
| 18,308,623 AdvanSix Inc. 409,095 12,257 | * | Actelis Networks Inc. | 200 | | | |
| | | | 1 | 8,308,623 | AdvanSix Inc. 409,05 | ь 12,257 |

| | | | Market | | | | Market |
|------------|--|------------------------|--------------------|---|---|------------------------|--------------------|
| | | Shares | Value• (\$000) | | | Shares | Value• (\$000) |
| | Schnitzer Steel Industries Inc. Class A | 385,520 | 11,627 | | Lamar Advertising Co. Class A | 1,290,789 | 137,185 |
| | Haynes International Inc. | 197,413 | 11,262 | * | Jones Lang LaSalle Inc. | 704,526 | 133,064 |
| * | Myers Industries Inc. | 555,894 | 10,868 | | EastGroup Properties Inc. | 686,532 | 126,006 |
| | Perimeter Solutions SA Olympic Steel Inc. | 2,259,978 148,510 | 10,396 9,906 | | Americold Realty Trust Inc. NNN REIT Inc. | 3,951,651 2,686,456 | 119,616 115,786 |
| * | Century Aluminum Co. | 773,007 | 9,384 | | Omega Healthcare Investors Inc. | 3,625,721 | 111,165 |
| * | Clearwater Paper Corp. | 253,979 | 9,174 | | STAG Industrial Inc. | 2,688,552 | 105,553 |
| | Pactiv Evergreen Inc. | 611,039 | 8,377 | | Brixmor Property Group Inc. | 4,448,118 | 103,508 |
| *,1 1 | PureCycle Technologies Inc. Ramaco Resources Inc. Class A | 1,998,707 | 8,095 | | First Industrial Realty Trust Inc. | 1,958,807 | 103,170 |
| * | LSB Industries Inc. | 470,174 859,867 | 8,078 8,005 | | Healthcare Realty Trust Inc. Class A Ryman Hospitality Properties Inc. | 5,647,898 882,450 | 97,313 97,122 |
| * | Piedmont Lithium Inc. | 279,765 | 7,898 | | Agree Realty Corp. | 1,489,342 | 93,754 |
| | United States Lime & Minerals Inc. | 29,461 | 6,786 | | Spirit Realty Capital Inc. | 2,071,495 | 90,504 |
| | Mercer International Inc. | 640,591 | 6,073 | | Terreno Realty Corp. | 1,242,517 | 77,869 |
| * | American Vanguard Corp. | 447,788 | 4,912 | | Apartment Income REIT Corp. Class A | 2,155,588 | 74,864 |
| *,1 | Gatos Silver Inc. McEwen Mining Inc. | 695,896 594,272 | 4,551 4,285 | | Kite Realty Group Trust Rayonier Inc. | 3,249,132 2,022,447 | 74,275 67,570 |
| | Trinseo plc | 511,396 | 4,285 | | Vornado Realty Trust | 2,366,394 | 66,851 |
| * | Rayonier Advanced Materials Inc. | 959,517 | 3,886 | | Phillips Edison & Co. Inc. | 1,771,472 | 64,623 |
| *,1 | American Battery Technology Co. | 783,708 | 3,676 | | Kilroy Realty Corp. | 1,577,452 | 62,846 |
| * | Ranpak Holdings Corp. Class A | 580,594 | 3,379 | | Essential Properties Realty Trust Inc. | 2,294,005 | 58,635 |
| * | Intrepid Potash Inc. | 136,892 | 3,270 | | PotlatchDeltic Corp. | 1,170,454 | 57,469 |
| * | Kronos Worldwide Inc. Alto Ingredients Inc. | 303,357 1,042,887 | 3,015 2,774 | | Cousins Properties Inc. EPR Properties | 2,236,367 | 54,456 53,831 |
| * | Smith-Midland Corp. | 59,997 | 2,774 2,370 | | Apple Hospitality REIT Inc. | 1,111,058 3,137,674 | 52,117 |
| * | Universal Stainless & Alloy Products Inc. | 117,992 | 2,369 | | Independence Realty Trust Inc. | 3,303,494 | 50,543 |
| | Ramaco Resources Inc. Class B | 176,917 | 2,355 | | Macerich Co. | 3,172,138 | 48,946 |
| * | Core Molding Technologies Inc. | 111,989 | 2,075 | | Sabra Health Care REIT Inc. | 3,405,601 | 48,598 |
| * | Tredegar Corp. | 382,334 | 2,068 | | National Storage Affiliates Trust | 1,148,347 | 47,622 |
| *,1 | Dakota Gold Corp. Origin Materials Inc. | 780,224 1,744,951 | 2,044 1,459 | | Park Hotels & Resorts Inc. Broadstone Net Lease Inc. | 3,101,116 2,751,165 | 47,447 47,375 |
| | Friedman Industries Inc. | 93,681 | 1,459 | | Physicians Realty Trust | 3,505,104 | 46,653 |
| * | Glatfelter Corp. | 730,566 | 1,417 | 1 | Medical Properties Trust Inc. | 8,853,945 | 43,473 |
| | Northern Technologies International Corp. | 111,967 | 1,319 | | Tanger Inc. | 1,551,198 | 42,999 |
| *,1 | Danimer Scientific Inc. Class A | 1,248,536 | 1,274 | 1 | SL Green Realty Corp. | 950,311 | 42,926 |
| *,1 *,1 | Loop Industries Inc. | 332,490 | 1,257 | | LXP Industrial Trust | 4,290,982 | 42,567 |
| * | Contango ORE Inc. Idaho Strategic Resources Inc. | 59,864 169,246 | 1,084 1,072 | | COPT Defense Properties Innovative Industrial Properties Inc. | 1,652,229 | 42,347 41,832 |
| * | Ascent Industries Co. | 110,651 | 1,072 | * | Howard Hughes Holdings Inc. | 414,916 478,502 | 41,832 |
| * | Advanced Emissions Solutions Inc. | 336,668 | 1,003 | | CareTrust REIT Inc. | 1,762,011 | 39,434 |
| *,1 | Flotek Industries Inc. | 163,769 | 642 | * | Opendoor Technologies Inc. | 8,498,534 | 38,073 |
| * | US Gold Corp. | 143,623 | 610 | | DigitalBridge Group Inc. | 2,119,144 | 37,170 |
| *,1 *,1 | 5E Advanced Materials Inc. | 422,291 | 595 | | Highwoods Properties Inc. | 1,567,935 | 36,000 |
| , ' | Hycroft Mining Holding Corp. Class A Greif Inc. Class B | 235,039 8,157 | 576 538 | | SITE Centers Corp. National Health Investors Inc. | 2,638,919 639,124 | 35,968 35,695 |
| * | Ampco-Pittsburgh Corp. | 180,060 | 492 | | Douglas Emmett Inc. | 2,452,981 | 35,568 |
| * | Gold Resource Corp. | 1,281,600 | 482 | | Four Corners Property Trust Inc. | 1,327,819 | 33,594 |
| * | Solitario Resources Corp. | 786,156 | 440 | | Sunstone Hotel Investors Inc. | 3,046,804 | 32,692 |
| * | United States Antimony Corp. | 1,198,945 | 299 | | Urban Edge Properties | 1,725,287 | 31,573 |
| *,1 | ASP Isotopes Inc. | 157,697 | 282 | | St. Joe Co. | 523,091 | 31,480 |
| * | US Goldmining Inc. Paramount Gold Nevada Corp. | 18,138 190,456 | 132 71 | * | Outfront Media Inc. Zillow Group Inc. Class A | 2,137,571 525,965 | 29,840 29,833 |
| *,1 | Golden Minerals Co. | 75,719 | 39 | | Equity Commonwealth | 1,541,712 | 29,601 |
| * | Save Foods Inc. | 16,703 | 33 | | DiamondRock Hospitality Co. | 3,095,908 | 29,071 |
| *,1 | Eightco Holdings Inc. | 33,455 | 17 | | Pebblebrook Hotel Trust | 1,792,943 | 28,651 |
| * | Adamas One Corp. | 27,332 | 16 | | Global Net Lease Inc. | 2,872,776 | 28,584 |
| *,1 | Crown ElectroKinetics Corp. | 8,521 | 1 | * | RLJ Lodging Trust | 2,292,060 | 26,863 |
| | | | 4,228,172 | | Cushman & Wakefield plc Retail Opportunity Investments Corp. | 2,481,079 1,851,107 | 26,796 25,971 |
| Rea | al Estate (6.0%) | 1 000 475 | 045.040 | | InvenTrust Properties Corp. | 995,958 | 25,238 |
| | Sun Communities Inc. WP Carey Inc. | 1,839,475 3,224,916 | 245,846 209,007 | | Acadia Realty Trust | 1,393,101 | 23,669 |
| | Equity LifeStyle Properties Inc. | 2,754,401 | 209,007 194,295 | | Xenia Hotels & Resorts Inc. | 1,610,427 | 21,934 |
| | Gaming & Leisure Properties Inc. | 3,931,002 | 193,995 | | JBG SMITH Properties | 1,280,300 | 21,778 |
| | Rexford Industrial Realty Inc. | 3,127,664 | 175,462 | | Kennedy-Wilson Holdings Inc. | 1,747,209 | 21,630 |
| | American Homes 4 Rent Class A | 4,682,458 | 168,381 | | Service Properties Trust Alexander & Baldwin Inc. | 2,462,741 1,084,617 | 21,032 20,629 |
| * | CubeSmart | 3,322,093 | 153,979 | | Uniti Group Inc. | 3,547,389 | 20,504 |
| | Zillow Group Inc. Class C | 2,594,075 | 150,093 | | | | |

| | | | Market | | | | Market |
|-----------------|---|------------------------|-------------------|----------|---|------------------------|-------------------|
| | | Shares | Value• (\$000) | | | Shares | Value• (\$000) |
| | Getty Realty Corp. | 698,555 | 20,412 | | Global Self Storage Inc. | 170,518 | 790 |
| | Newmark Group Inc. Class A | 1,813,806 | 19,879 | | Bluerock Homes Trust Inc. | 54,970 | 769 |
| | LTC Properties Inc. | 604,767 | 19,425 | *,1 | LuxUrban Hotels Inc. | 120,402 | 719 |
| | Elme Communities | 1,321,924 | 19,300 | * 1 | Creative Media & Community Trust Corp. | 186,677 | 698 |
| | Veris Residential Inc. | 1,206,856 | 18,984 | *,1 * | Altisource Portfolio Solutions SA | 176,732 | 629 |
| | Empire State Realty Trust Inc. Class A | 1,932,430 | 18,725 | * | Transcontinental Realty Investors Inc. | 17,849 | 617 |
| * | Easterly Government Properties Inc. Class A Compass Inc. Class A | 1,384,295 4,857,573 | 18,605 18,264 | *,1 | Sotherly Hotels Inc. Doma Holdings Inc. | 298,937 91,760 | 445 425 |
| | NETSTREIT Corp. | 1,005,025 | 17,940 | * | Fathom Holdings Inc. | 102,907 | 369 |
| | Hudson Pacific Properties Inc. | 1,908,322 | 17,766 | * | Rafael Holdings Inc. Class B | 172,498 | 316 |
| * | Redfin Corp. | 1,713,675 | 17,685 | * | American Realty Investors Inc. | 14,699 | 256 |
| 1 | eXp World Holdings Inc. | 1,133,125 | 17,586 | * | Comstock Holding Cos. Inc. Class A | 52,330 | 234 |
| | American Assets Trust Inc. | 711,634 | 16,019 | , | Generation Income Properties Inc. | 51,003 | 202 |
| * | Safehold Inc. | 683,359 | 15,991 | * | InterGroup Corp. | 7,864 | 144 |
| | Apartment Investment & Management Co. Class A | 2,019,199 | 15,810 | | JW Mays Inc. | 2,413 | 103 |
| | Marcus & Millichap Inc. | 349,759 | 15,277 | * | InnSuites Hospitality Trust CKX Lands Inc. | 51,409 | 87 70 |
| | Brandywine Realty Trust UMH Properties Inc. | 2,584,158 899,116 | 13,954 13,774 | *,1 | Altisource Asset Management Corp. | 5,432 15,639 | 70 65 |
| * | Anywhere Real Estate Inc. | 1,681,889 | 13,640 | 1 | Strawberry Fields REIT Inc. | 8,289 | 64 |
| | Paramount Group Inc. | 2,588,884 | 13,385 | * | Safe & Green Development Corp. | 43,845 | 61 |
| | Centerspace | 227,737 | 13,254 | * | New Concept Energy Inc. | 48,067 | 48 |
| | Piedmont Office Realty Trust Inc. Class A | 1,853,651 | 13,179 | * | Trinity Place Holdings Inc. | 313,994 | 35 |
| | Plymouth Industrial REIT Inc. | 545,414 | 13,128 | * | Power REIT | 36,007 | 23 |
| | Armada Hoffler Properties Inc. | 994,334 | 12,300 | * | Alset Inc. | 21,638 | 22 |
| | Diversified Healthcare Trust | 3,194,455 | 11,947 | *,1 | Medalist Diversified REIT Inc. | 3,943 | 20 |
| | NexPoint Residential Trust Inc. | 339,189 | 11,678 | * | Avalon GloboCare Corp. | 34,504 | 17 |
| 1 | Summit Hotel Properties Inc. Peakstone Realty Trust | 1,655,655 531,607 | 11,126 10,595 | | American Strategic Investment Co. Presidio Property Trust Inc. Class A | 1,126 4,940 | 9 5 |
| | Community Healthcare Trust Inc. | 370,727 | 9,876 | *,1 | Wheeler REIT Inc. | 12,815 | 5 4 |
| | Global Medical REIT Inc. | 880,804 | 9,777 | *,2 | | 653,668 | |
| * | Forestar Group Inc. | 281,025 | 9,293 | | opine with energi | | F 700 F70 |
| | Whitestone REIT | 747,265 | 9,184 | 1 1+;1 | lities (1.8%) | | 5,792,576 |
| | Universal Health Realty Income Trust | 203,821 | 8,815 | Ulli | Vistra Corp. | 4,944,900 | 190,478 |
| 1 | Farmland Partners Inc. | 698,030 | 8,711 | | Essential Utilities Inc. | 3,704,506 | 138,363 |
| | Chatham Lodging Trust | 788,881 | 8,457 | | OGE Energy Corp. | 2,909,470 | 101,628 |
| | CBL & Associates Properties Inc. | 337,670 | 8,246 | | UGI Corp. | 3,105,910 | 76,405 |
| | Gladstone Commercial Corp. | 615,769 | 8,153 | | IDACORP Inc. | 741,839 | 72,938 |
| | Alexander's Inc. Gladstone Land Corp. | 35,568 512,464 | 7,596 7,405 | | National Fuel Gas Co. | 1,357,185 | 68,090 |
| * | Tejon Ranch Co. | 414,340 | 7,405 | | Portland General Electric Co. | 1,502,085 | 65,100 |
| | Saul Centers Inc. | 176,966 | 6,949 | | New Jersey Resources Corp. | 1,442,856 | 64,323 |
| * | FRP Holdings Inc. | 104,328 | 6,560 | | Ormat Technologies Inc. Southwest Gas Holdings Inc. | 787,851 888,427 | 59,711 56,282 |
| | RMR Group Inc. Class A | 213,387 | 6,024 | | Black Hills Corp. | 1,012,498 | 50,282 54,624 |
| *,1 | Seritage Growth Properties Class A | 597,081 | 5,583 | | Otter Tail Corp. | 615,076 | 52,263 |
| | Orion Office REIT Inc. | 954,713 | 5,461 | | ONE Gas Inc. | 814,570 | 51,904 |
| | Office Properties Income Trust | 743,231 | 5,440 | | ALLETE Inc. | 840,384 | 51,398 |
| 1 | One Liberty Properties Inc. | 243,316 | 5,331 | | PNM Resources Inc. | 1,214,491 | 50,523 |
| | CTO Realty Growth Inc. Industrial Logistics Properties Trust | 305,490 946,492 | 5,294 4,449 | | Spire Inc. | 767,978 | 47,876 |
| 1 | NexPoint Diversified Real Estate Trust | 548,292 | 4,449 | | Northwestern Energy Group Inc. | 902,344 | 45,920 |
| | Postal Realty Trust Inc. Class A | 298,979 | 4,353 | | California Water Service Group | 880,113 | 45,651 |
| | NET Lease Office Properties | 216,101 | 3,994 | | American States Water Co. | 551,394 | 44,343 |
| | RE/MAX Holdings Inc. Class A | 298,475 | 3,979 | | Avista Corp. Clearway Energy Inc. Class C | 1,136,540 1,390,309 | 40,620 38,136 |
| | City Office REIT Inc. | 572,275 | 3,497 | | MGE Energy Inc. | 526,938 | 38,103 |
| | Alpine Income Property Trust Inc. | 205,392 | 3,473 | | Chesapeake Utilities Corp. | 317,805 | 33,570 |
| | Franklin Street Properties Corp. | 1,341,324 | 3,434 | | Avangrid Inc. | 1,011,878 | 32,795 |
| | BRT Apartments Corp. | 174,145 | 3,237 | | SJW Group | 424,202 | 27,722 |
| * | Douglas Elliman Inc. Star Haldings | 1,030,775 | 3,041 | *,1 | Sunnova Energy International Inc. | 1,595,703 | 24,334 |
| * | Star Holdings Stratus Properties Inc. | 199,470 94,932 | 2,988 2,740 | | Hawaiian Electric Industries Inc. | 1,635,847 | 23,213 |
| | Braemar Hotels & Resorts Inc. | 94,932 895,611 | 2,740 2,239 | | Northwest Natural Holding Co. | 533,301 | 20,767 |
| * | Maui Land & Pineapple Co. Inc. | 87,860 | 1,396 | | Middlesex Water Co. | 267,812 | 17,574 |
| | AMREP Corp. | 56,666 | 1,245 | | Unitil Corp. Genie Energy Ltd. Class B | 250,646 335,871 | 13,176 |
| * | | | 1,216 | | | | 9,448 8,715 |
| * | Modiv Industrial Inc. Class C | 81,640 | 1,210 | | York Water Lo | | |
| * | Clipper Realty Inc. | 225,016 | 1,215 | * | York Water Co. Montauk Renewables Inc. | 225,661 968.457 | |
| * *,1 *,1 | | | | * | York Water Co. Montauk Renewables Inc. Consolidated Water Co. Ltd. | 968,457 234,050 | 8,629 8,332 |

| | | Shares | Market Value• (\$000) |
|------------|---|--------------------|-----------------------------|
| * | Altus Power Inc. Class A | 968,598 | 6,616 |
| | Artesian Resources Corp. Class A | 122,559 | 5,080 |
| * | Pure Cycle Corp. | 295,865 | 3,098 |
| | RGC Resources Inc. | 127,094 | 2,585 |
| | Global Water Resources Inc. | 147,111 | 1,924 |
| *,1 | Cadiz Inc. | , 681,992 | 1,910 |
| *,1 | Spruce Power Holding Corp. | 195,019 | 862 |
| | Via Renewables Inc. Člass A | 37,181 | 349 |
| | | | 1,713,297 |
| | al Common Stocks st \$81,492,125) | | 96,836,951 |
| Pre | ferred Stocks (0.0%) | | |
| | FAT Brands Inc. Pfd., 8.250%, 2/7/24 | 7,939 | 118 |
| | Air T Funding Pfd., 8.000%, 6/7/24 | 391 | 7 |
| *,1,2 | Next Bridge Hydrocarbons Inc. Preference Shares | 902,467 | — |
| *,2 | BTCS Inc. Preference Shares | 87,854 | |
| | al Preferred Stocks st \$2,745) | | 125 |
| | hts (0.0%) | | |
| *,2 | Frequency Therapeutics Inc. CVR | 448,505 | 888 |
| *,2 | Tobira Therapeutics Inc. CVR Exp. 12/31/28 | 87,894 | 398 |
| *,2 | Cartesian Therapeutics Inc. CVR | 1,696,040 | 305 |
| *,1,2 | Palisade Bio Inc. CVR | 238,902 | 229 |
| *,2 | Spectrum Pharmaceuticals Inc. CVR | 2,524,293 | 206 |
| *,2 | Imara Inc. CVR | 140,767 | 176 |
| *,2 *,1 | Strongbridge Biopharma plc CVR | 687,671 | 125 |
| ^,1 *,2 | Groupon Inc. Exp. 1/17/24 | 296,929 | 102 |
| ^,2 *,2 | Adamas Pharmaceuticals Inc. CVR | 1,055,708 | 64 |
| *,2 | Surface Oncology Inc. CVR | 579,706 | 54 |
| *,2 | Gyre Therapeutics Inc. CVR | 475,977 | 48 |
| *,2 | Miromatrix Medical Inc. CVR | 280,666 | 39 |
| *,2 | Aduro Biotech Inc. CVR | 150,581 | 28 |
| | Aevi Genomic Medicine Inc. CVR | 631,947 | 21 |
| *,2 | Oncternal Therapeutics Inc. CVR | 19,268 | 20 |
| | Ocera Therapeutics Inc. CVR | 48,417 | 13 |
| *,2 | Miragen Therapeutics Inc. CVR | 330,960 | 7 |
| ,2 *,2 | Qualigen merapeutics me. CVM | 91,096 | 6 |
| ,2 *,2 | F-star Therapeutics Inc. CVR | 81,676 | 6 |
| | Alexza Pharmaceuticals Inc. CVR | 128,704 | 4 |
| * 1 3 | Seelos Therapeutics Inc. CVR | 5,736 | 3 |
| *,2 | CinCor Pharma Inc. CVR | 832 | 3 |
| * | Dianthus Therapeutics Inc. CVR Ligand Pharmaceuticals Inc. Roche CVR | 545,859 395,811 | 3 2 |
| | | | |

| | | Market |
|---|------------|-------------|
| | | Value |
| | Shares | (\$000) |
| *,2 Ocuphire Pharma Inc. CVR | 13,673 | 2 |
| *.2 Ambit Biosciences Corp. CVR | 22,388 | _ |
| * Ligand Pharmaceuticals Inc. Glucagon CVR | 395,811 | _ |
| * Ligand Pharmaceuticals Inc. General CVR | 395,811 | _ |
| *,2 NeuroBo Pharmaceuticals Inc. CVR | 5,194 | — |
| *,2 Achillion Pharmaceuticals Inc. CVR | 374 | _ |
| ^{*,2} Pineapple Energy Inc. CVR | 30,377 | _ |
| *,1,2 Disc Medicine Inc. CVR | 238,398 | _ |
| *.2 Sesen Bio Inc. CVR | 2,671,362 | _ |
| *,2 Chinook Therapeutics Inc. CVR | 59 | — |
| *,1,2 Spyre Therapeutics Inc. CVR | 632,341 | — |
| *.2 Neurogene Inc. CVR | 95,916 | _ |
| Total Rights (Cost \$2,593) | | 2,752 |
| Warrants (0.0%) | | |
| *,2 Cassava Sciences Inc. Exp. 11/15/24 | 233,823 | 1,116 |
| * Ayala Pharmaceuticals Inc. Exp. 9/11/24 | 47,130 | _ |
| *.2 Salarius Pharmaceuticals Inc. Exp. 1/20/25 | 119,407 | _ |
| * ^{,1,2} Imperalis Holding Corp. Exp. 4/13/28 | 930,380 | _ |
| Total Warrants (Cost \$200) | | 1,116 |
| Temporary Cash Investments (2.2%) | | 1,110 |
| Money Market Fund (2.2%) | | |
| ^{4,5} Vanguard Market Liquidity Fund, 5.435% | | |
| (Cost \$2,088,111) | 20,896,263 | 2,089,208 |
| Total Investments (101.8%) | | |
| (Cost \$83,585,774) | | 98,930,152 |
| Other Assets and Liabilities—Net (-1.8%) | | (1,722,554) |
| Net Assets (100%) | | 97,207,598 |
| Cost is in \$000. * See Note A in Notes to Financial Statements. * Non-income-producing security. | | 37,207,5 |

Includes partial security positions on loan to broker-dealers. The total value of securities on loan is \$1,509,878,000.

2 Security value determined using significant unobservable inputs.

3 Restricted securities totaling \$0, representing 0.0% of net assets.
4 Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.

5 Collateral of \$1,733,477,000 was received for securities on loan.

CVR—Contingent Value Rights.

REIT-Real Estate Investment Trust.

Derivative Financial Instruments Outstanding as of Period End

Futures Contracts

| | | | | (\$000) |
|------------------------------|------------|--|--------------------|---|
| | Expiration | Number of Long (Short) Contracts | Notional Amount | Value and Unrealized Appreciation (Depreciation) |
| Long Futures Contracts | | | | |
| E-mini NASDAQ 100 Index | March 2024 | 272 | 92,608 | 3,876 |
| E-mini Russell 2000 Index | March 2024 | 1,432 | 146,615 | 7,635 |
| E-mini S&P 500 Index | March 2024 | 106 | 25,546 | 166 |
| E-mini S&P Mid-Cap 400 Index | March 2024 | 88 | 24,724 | 1,309 |
| | | | | 12,986 |
Over-the-Counter Total Return Swaps

| | Termination | | Notional Amount | Floating Interest Rate Received (Paid) ¹ | Value and Unrealized Appreciation | Value and Unrealized (Depreciation) |
|-------------------------|-------------|--------------|--------------------|---|---|---|
| Reference Entity | Date | Counterparty | (\$000) | (Faiu) (%) | (\$000) | (Depreciation) (\$000) |
| BILL Holdings Inc. | 8/30/24 | BANA | 5,565 | (5.332) | 1,347 | _ |
| Chewy Inc. Class A | 1/31/24 | GSI | 6,522 | (5.331) | 792 | — |
| Lucid Group Inc. | 1/31/24 | GSI | 8,777 | (5.331) | _ | (1,045) |
| Sirius XM Holdings Inc. | 1/31/24 | GSI | 21,600 | (5.331) | 245 | _ |
| Snowflake Inc. Class A | 8/30/24 | BANA | 29,653 | (5.332) | 1,666 | _ |
| Wayfair Inc. Class A | 8/30/24 | BANA | 7,254 | (5.332) | 737 | _ |
| | | | | | 4,787 | (1,045) |

1 Based on USD Overnight Bank Funding Rate as of the most recent reset date. Floating interest payment received/paid monthly. BANA—Bank of America, N.A. GSI—Goldman Sachs International.

At December 31, 2023, the counterparties had deposited in segregated accounts securities with a value of \$3,913,000 and cash of \$1,420,000 in connection with open over-the-counter swap contracts.

Statement of Assets and Liabilities As of December 31, 2023

| (\$000s, except shares, footnotes, and per-share amounts) | Amount |
|---|------------|
| Assets | |
| Investments in Securities, at Value ¹ | |
| Unaffiliated Issuers (Cost \$81,497,663) | 96,840,944 |
| Affiliated Issuers (Cost \$2,088,111) | 2,089,208 |
| Total Investments in Securities | 98,930,152 |
| Investment in Vanguard | 2,927 |
| Cash Collateral Pledged—Futures Contracts | 20,202 |
| Receivables for Investment Securities Sold | 41,354 |
| Receivables for Accrued Income | 93,656 |
| Receivables for Capital Shares Issued | 68,068 |
| Unrealized Appreciation—Over-the-Counter Swap Contracts | 4,787 |
| Total Assets | 99,161,146 |
| Liabilities | |
| Due to Custodian | 19,818 |
| Payables for Investment Securities Purchased | 29,826 |
| Collateral for Securities on Loan | 1,733,477 |
| Payables for Capital Shares Redeemed | 163,855 |
| Payables to Vanguard | 1,901 |
| Variation Margin Payable—Futures Contracts | 3,626 |
| Unrealized Depreciation—Over-the-Counter Swap Contracts | 1,045 |
| Total Liabilities | 1,953,548 |
| Net Assets | 97,207,598 |

1 Includes \$1,509,878,000 of securities on loan.

Statement of Assets and Liabilities (continued)

At December 31, 2023, net assets consisted of:

| (\$000s, except shares, footnotes, and per-share amounts) | Amount |
|--|------------|
| Paid-in Capital | 87,284,948 |
| Total Distributable Earnings (Loss) | 9,922,650 |
| Net Assets | 97,207,598 |
| Investor Shares—Net Assets | |
| Applicable to 1,858,699 outstanding \$.001 par value shares of beneficial interest (unlimited authorization) | 231,936 |
| Net Asset Value Per Share—Investor Shares | \$124.78 |
| ETF Shares—Net Assets | |
| Applicable to 107,137,209 outstanding \$.001 par value shares of beneficial interest (unlimited authorization) | 17,606,486 |
| Net Asset Value Per Share—ETF Shares | \$164.34 |
| Admiral Shares—Net Assets | |
| Applicable to 189,589,142 outstanding \$.001 par value shares of beneficial interest (unlimited authorization) | 23,638,744 |
| Net Asset Value Per Share—Admiral Shares | \$124.68 |
| Institutional Shares—Net Assets | |
| Applicable to 121,426,884 outstanding \$.001 par value shares of beneficial interest (unlimited authorization) | 15,138,897 |
| Net Asset Value Per Share—Institutional Shares | \$124.68 |
| Institutional Plus Shares—Net Assets | |
| Applicable to 39,704,803 outstanding \$.001 par value shares of beneficial interest (unlimited authorization) | 12,216,148 |
| Net Asset Value Per Share—Institutional Plus Shares | \$307.67 |
| Institutional Select Shares—Net Assets | |
| Applicable to 141,614,265 outstanding \$.001 par value shares of beneficial interest (unlimited authorization) | 28,375,387 |
| Net Asset Value Per Share—Institutional Select Shares | \$200.37 |

Statement of Operations

| | Year Ended December 31, 2023 |
|---|---------------------------------|
| | (\$000) |
| Investment Income | |
| Income | |
| Dividends ¹ | 1,094,745 |
| Interest ² | 34,640 |
| Securities Lending—Net | 141,974 |
| Total Income | 1,271,359 |
| Expenses | |
| The Vanguard Group—Note B | |
| Investment Advisory Services | 1,799 |
| Management and Administrative—Investor Shares | 398 |
| Management and Administrative—ETF Shares | 7,237 |
| Management and Administrative—Admiral Shares | 11,162 |
| Management and Administrative—Institutional Shares | 5,844 |
| Management and Administrative—Institutional Plus Shares | 3,508 |
| Management and Administrative—Institutional Select Shares | 4,150 |
| Marketing and Distribution—Investor Shares | 10 |
| Marketing and Distribution—ETF Shares | 836 |
| Marketing and Distribution—Admiral Shares | 847 |
| Marketing and Distribution—Institutional Shares | 458 |
| Marketing and Distribution—Institutional Plus Shares | 370 |
| Marketing and Distribution—Institutional Select Shares | 49 |
| Custodian Fees | 639 |
| Auditing Fees | 48 |
| Shareholders' Reports—Investor Shares | 1 |
| Shareholders' Reports—ETF Shares | 417 |
| Shareholders' Reports—Admiral Shares | 167 |
| Shareholders' Reports—Institutional Shares | 191 |
| Shareholders' Reports—Institutional Plus Shares | 148 |
| Shareholders' Reports—Institutional Select Shares | _ |
| Trustees' Fees and Expenses | 51 |
| Other Expenses | 25 |
| Total Expenses | 38,355 |
| Expenses Paid Indirectly | (5) |
| Net Expenses | 38,350 |
| Net Investment Income | 1,233,009 |
| Realized Net Gain (Loss) | ,, |
| Investment Securities Sold ^{2,3} | 5,059,742 |
| Futures Contracts | 23,830 |
| Swap Contracts | 6,190 |
| Realized Net Gain (Loss) | 5,089,762 |
| Change in Unrealized Appreciation (Depreciation) | 0,000,02 |
| Investment Securities ² | 13,569,568 |
| Futures Contracts | 26,926 |
| Swap Contracts | 10,301 |
| Change in Unrealized Appreciation (Depreciation) | 13,606,795 |
| Net Increase (Decrease) in Net Assets Resulting from Operations | 19,929,566 |
| Not morease (Decrease) in Net Assets Nesuting from Operations | 13,323,300 |

1 Dividends are net of foreign withholding taxes of \$295,000.

2 Interest income, realized net gain (loss), capital gain distributions received, and change in unrealized appreciation (depreciation) from an affiliated company of the fund were \$32,828,000, \$32,000, \$2,000, and \$510,000, respectively. Purchases and sales are for temporary cash investment purposes.

3 Includes \$5,732,517,000 of net gain (loss) resulting from in-kind redemptions.

Statement of Changes in Net Assets

| | Year Ended December 3 | | |
|---|-----------------------|-----------------|--|
| | 2023 (\$000) | 2022 (\$000) | |
| Increase (Decrease) in Net Assets | | | |
| Operations | | | |
| Net Investment Income | 1,233,009 | 1,141,328 | |
| Realized Net Gain (Loss) | 5,089,762 | 2,411,429 | |
| Change in Unrealized Appreciation (Depreciation) | 13,606,795 | (32,279,720) | |
| Net Increase (Decrease) in Net Assets Resulting from Operations | 19,929,566 | (28,726,963) | |
| Distributions | | | |
| Investor Shares | (2,799) | (2,370) | |
| ETF Shares | (216,881) | (148,188) | |
| Admiral Shares | (304,809) | (232,052) | |
| Institutional Shares | (197,911) | (154,028) | |
| Institutional Plus Shares | (157,589) | (131,076) | |
| Institutional Select Shares | (358,784) | (248,096) | |
| Total Distributions | (1,238,773) | (915,810) | |
| Capital Share Transactions | | | |
| Investor Shares | (44,315) | (72,334) | |
| ETF Shares | 1,158,186 | 344,966 | |
| Admiral Shares | (985,934) | (1,252,838) | |
| Institutional Shares | (827,656) | (1,209,959) | |
| Institutional Plus Shares | (656,866) | (1,175,993) | |
| Institutional Select Shares | 877,035 | 3,290,411 | |
| Net Increase (Decrease) from Capital Share Transactions | (479,550) | (75,747) | |
| Total Increase (Decrease) | 18,211,243 | (29,718,520) | |
| Net Assets | | | |
| Beginning of Period | 78,996,355 | 108,714,875 | |
| End of Period | 97,207,598 | 78,996,355 | |

Investor Shares

| For a Share Outstanding | Year Ended Decer | | | | |
|---|--------------------|--------------------|----------|----------|---------|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 |
| Net Asset Value, Beginning of Period | \$100.93 | \$138.80 | \$124.83 | \$95.66 | \$75.74 |
| Investment Operations | | | | | |
| Net Investment Income ¹ | 1.411 | 1.280 | 1.216 | .983 | .962 |
| Net Realized and Unrealized Gain (Loss) on Investments | 23.876 | (38.141) | 14.134 | 29.401 | 20.089 |
| Total from Investment Operations | 25.287 | (36.861) | 15.350 | 30.384 | 21.051 |
| Distributions | | | | | |
| Dividends from Net Investment Income | (1.437) | (1.009) | (1.380) | (1.214) | (1.131) |
| Distributions from Realized Capital Gains | _ | _ | _ | _ | _ |
| Total Distributions | (1.437) | (1.009) | (1.380) | (1.214) | (1.131) |
| Net Asset Value, End of Period | \$124.78 | \$100.93 | \$138.80 | \$124.83 | \$95.66 |
| Total Return ² | 25.22% | -26.56% | 12.31% | 32.04% | 27.87% |
| Ratios/Supplemental Data | | | | | |
| Net Assets, End of Period (Millions) | \$232 | \$229 | \$399 | \$454 | \$455 |
| Ratio of Total Expenses to Average Net Assets | 0.19% ³ | 0.19% ³ | 0.19% | 0.19% | 0.19% |
| Ratio of Net Investment Income to Average Net Assets | 1.28% | 1.14% | 0.87% | 1.04% | 1.09% |
| Portfolio Turnover Rate ⁴ | 11% | 11% | 19% | 19% | 13% |

1 Calculated based on average shares outstanding.

2 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.

3 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.19%.

4 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.

ETF Shares

| For a Share Outstanding | Year Ended December 31, | | | | |
|---|-------------------------|--------------------|----------|----------|----------|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 |
| Net Asset Value, Beginning of Period | \$132.92 | \$182.81 | \$164.43 | \$126.02 | \$99.77 |
| Investment Operations | | | | | |
| Net Investment Income ¹ | 2.086 | 1.914 | 1.867 | 1.509 | 1.636 |
| Net Realized and Unrealized Gain (Loss) on Investments | 31.415 | (50.278) | 18.576 | 38.668 | 26.255 |
| Total from Investment Operations | 33.501 | (48.364) | 20.443 | 40.177 | 27.891 |
| Distributions | | | | | |
| Dividends from Net Investment Income | (2.081) | (1.526) | (2.063) | (1.767) | (1.641) |
| Distributions from Realized Capital Gains | — | — | — | — | _ |
| Total Distributions | (2.081) | (1.526) | (2.063) | (1.767) | (1.641) |
| Net Asset Value, End of Period | \$164.34 | \$132.92 | \$182.81 | \$164.43 | \$126.02 |
| Total Return | 25.39% | -26.46% | 12.44% | 32.20% | 28.04% |
| Ratios/Supplemental Data | | | | | |
| Net Assets, End of Period (Millions) | \$17,606 | \$13,089 | \$17,593 | \$13,761 | \$8,119 |
| Ratio of Total Expenses to Average Net Assets | 0.06% ² | 0.06% ² | 0.06% | 0.06% | 0.06% |
| Ratio of Net Investment Income to Average Net Assets | 1.44% | 1.31% | 1.02% | 1.20% | 1.40% |
| Portfolio Turnover Rate ³ | 11% | 11% | 19% | 19% | 13% |

1 Calculated based on average shares outstanding.

2 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.06%.

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.

Admiral Shares

| For a Share Outstanding | Year Ended Decemb | | | | |
|---|--------------------|--------------------|----------|----------|----------|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 |
| Net Asset Value, Beginning of Period | \$100.85 | \$138.70 | \$124.75 | \$95.61 | \$75.70 |
| Investment Operations | | | | | |
| Net Investment Income ¹ | 1.557 | 1.437 | 1.408 | 1.112 | 1.236 |
| Net Realized and Unrealized Gain (Loss) on Investments | 23.851 | (38.129) | 14.106 | 29.367 | 19.918 |
| Total from Investment Operations | 25.408 | (36.692) | 15.514 | 30.479 | 21.154 |
| Distributions | | | | | |
| Dividends from Net Investment Income | (1.578) | (1.158) | (1.564) | (1.339) | (1.244) |
| Distributions from Realized Capital Gains | _ | _ | _ | _ | _ |
| Total Distributions | (1.578) | (1.158) | (1.564) | (1.339) | (1.244) |
| Net Asset Value, End of Period | \$124.68 | \$100.85 | \$138.70 | \$124.75 | \$95.61 |
| Total Return ² | 25.38% | -26.47% | 12.45% | 32.21% | 28.03% |
| Ratios/Supplemental Data | | | | | |
| Net Assets, End of Period (Millions) | \$23,639 | \$20,012 | \$29,054 | \$26,784 | \$22,391 |
| Ratio of Total Expenses to Average Net Assets | 0.06% ³ | 0.06% ³ | 0.06% | 0.06% | 0.06% |
| Ratio of Net Investment Income to Average Net Assets | 1.42% | 1.29% | 1.01% | 1.18% | 1.39% |
| Portfolio Turnover Rate ⁴ | 11% | 11% | 19% | 19% | 13% |

1 Calculated based on average shares outstanding.

2 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.

3 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.06%.

4 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.

Institutional Shares

| For a Share OutstandingYear Ended December 31, | | | | | ember 31, |
|---|--------------------|--------------------|----------|----------|-----------|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 |
| Net Asset Value, Beginning of Period | \$100.84 | \$138.69 | \$124.74 | \$95.60 | \$75.69 |
| Investment Operations | | | | | |
| Net Investment Income ¹ | 1.567 | 1.439 | 1.413 | 1.125 | 1.239 |
| Net Realized and Unrealized Gain (Loss) on Investments | 23.862 | (38.120) | 14.115 | 29.364 | 19.925 |
| Total from Investment Operations | 25.429 | (36.681) | 15.528 | 30.489 | 21.164 |
| Distributions | | | | | |
| Dividends from Net Investment Income | (1.589) | (1.169) | (1.578) | (1.349) | (1.254) |
| Distributions from Realized Capital Gains | _ | _ | _ | _ | _ |
| Total Distributions | (1.589) | (1.169) | (1.578) | (1.349) | (1.254) |
| Net Asset Value, End of Period | \$124.68 | \$100.84 | \$138.69 | \$124.74 | \$95.60 |
| Total Return | 25.41% | -26.46% | 12.47% | 32.23% | 28.05% |
| Ratios/Supplemental Data | | | | | |
| Net Assets, End of Period (Millions) | \$15,139 | \$12,983 | \$19,456 | \$18,659 | \$14,927 |
| Ratio of Total Expenses to Average Net Assets | 0.05% ² | 0.05% ² | 0.05% | 0.05% | 0.05% |
| Ratio of Net Investment Income to Average Net Assets | 1.43% | 1.29% | 1.01% | 1.19% | 1.40% |
| Portfolio Turnover Rate ³ | 11% | 11% | 19% | 19% | 13% |

1 Calculated based on average shares outstanding.

2 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.05%.

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.

Institutional Plus Shares

| For a Share Outstanding | Year Ended December 31, | | | | |
|---|-------------------------|--------------------|----------|----------|----------|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 |
| Net Asset Value, Beginning of Period | \$248.85 | \$342.27 | \$307.85 | \$235.94 | \$186.80 |
| Investment Operations | | | | | |
| Net Investment Income ¹ | 3.898 | 3.597 | 3.595 | 2.798 | 3.078 |
| Net Realized and Unrealized Gain (Loss) on Investments | 58.870 | (94.104) | 34.757 | 72.466 | 49.178 |
| Total from Investment Operations | 62.768 | (90.507) | 38.352 | 75.264 | 52.256 |
| Distributions | | | | | |
| Dividends from Net Investment Income | (3.948) | (2.913) | (3.932) | (3.354) | (3.116) |
| Distributions from Realized Capital Gains | _ | _ | _ | _ | _ |
| Total Distributions | (3.948) | (2.913) | (3.932) | (3.354) | (3.116) |
| Net Asset Value, End of Period | \$307.67 | \$248.85 | \$342.27 | \$307.85 | \$235.94 |
| Total Return | 25.41% | -26.45% | 12.48% | 32.24% | 28.07% |
| Ratios/Supplemental Data | | | | | |
| Net Assets, End of Period (Millions) | \$12,216 | \$10,446 | \$15,973 | \$11,665 | \$9,486 |
| Ratio of Total Expenses to Average Net Assets | 0.04% ² | 0.04% ² | 0.04% | 0.04% | 0.04% |
| Ratio of Net Investment Income to Average Net Assets | 1.44% | 1.31% | 1.04% | 1.20% | 1.41% |
| Portfolio Turnover Rate ³ | 11% | 11% | 19% | 19% | 13% |

1 Calculated based on average shares outstanding.

2 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.04%.

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.

Institutional Select Shares

| For a Share Outstanding | Year Ended December 31, | | | | |
|---|-------------------------|--------------------|----------|----------|----------|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 |
| Net Asset Value, Beginning of Period | \$162.04 | \$222.86 | \$200.45 | \$153.63 | \$121.63 |
| Investment Operations | | | | | |
| Net Investment Income ¹ | 2.580 | 2.421 | 2.352 | 1.855 | 2.059 |
| Net Realized and Unrealized Gain (Loss) on Investments | 38.338 | (61.319) | 22.661 | 47.179 | 31.999 |
| Total from Investment Operations | 40.918 | (58.898) | 25.013 | 49.034 | 34.058 |
| Distributions | | | | | |
| Dividends from Net Investment Income | (2.588) | (1.922) | (2.603) | (2.214) | (2.058) |
| Distributions from Realized Capital Gains | — | — | — | — | — |
| Total Distributions | (2.588) | (1.922) | (2.603) | (2.214) | (2.058) |
| Net Asset Value, End of Period | \$200.37 | \$162.04 | \$222.86 | \$200.45 | \$153.63 |
| Total Return | 25.44% | -26.44% | 12.50% | 32.27% | 28.09% |
| Ratios/Supplemental Data | | | | | |
| Net Assets, End of Period (Millions) | \$28,375 | \$22,239 | \$26,240 | \$24,472 | \$19,166 |
| Ratio of Total Expenses to Average Net Assets | 0.02% ² | 0.02% ² | 0.02% | 0.02% | 0.02% |
| Ratio of Net Investment Income to Average Net Assets | 1.46% | 1.36% | 1.05% | 1.22% | 1.44% |
| Portfolio Turnover Rate ³ | 11% | 11% | 19% | 19% | 13% |

1 Calculated based on average shares outstanding.

2 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.02%.

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.

Notes to Financial Statements

Vanguard Extended 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. Each of the share classes has different eligibility and minimum purchase requirements, and is designed for different types of investors. ETF Shares are listed for trading on NYSE Arca; they can be purchased and sold through a broker.

In March 2023, the board of trustees approved a plan of reorganization whereby the fund will reorganize from Vanguard Index Funds (such fund the "Predecessor Fund") to a newly created shell series under Vanguard Institutional Index Funds. The purpose of the reorganization is to improve administrative efficiencies for all funds within the Vanguard complex by spreading the filing and reporting requirements across different legal entities. After the reorganization the surviving fund will be identical in its management to the Predecessor Fund and its investment objective, strategies, and policies will remain unchanged. The reorganization is anticipated to qualify as a tax-free reorganization under the Internal Revenue Code of 1986, as amended.

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 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 valuation designee to represent fair value and subject to oversight by the board of trustees. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value. Other 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, 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 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 for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities 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 gains (losses) on futures contracts.

During the year ended December 31, 2023, the fund's average investments in long and short futures contracts represented 1% and 0% of net assets, respectively, based on the average of the notional amounts 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 or indexes 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 generally invests an amount approximating the notional amount of the swap in high-quality temporary cash investments.

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's 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 Schedule of Investments. 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.

The notional amounts of swap contracts are not recorded in the Statement of Assets and Liabilities. 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 Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until periodic payments are made or the termination of the swap, at which time realized gain (loss) is recorded.

During the year ended December 31, 2023, 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 virtually all of its taxable income. The fund's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return. Management has analyzed the fund's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the fund's financial statements.

5. Distributions: Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes.

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 before the opening of the market 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 Assets and Liabilities for the return of the collateral, during the period the securities are on loan. Collateral investments in Vanguard Market Liquidity Fund are subject to market appreciation or depreciation. 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 Facilities and Interfund Lending Program: The fund and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes and are subject to the fund's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility, which 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 either facility bear interest at an agreed-upon spread plus the higher of the federal funds effective rate, the overnight bank funding rate, or the Daily Simple Secured Overnight Financing Rate inclusive of an additional agreed-upon spread. However, borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the fund and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the fund may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the fund's investment objective and investment policies. Interfund loans and borrowings normally extend overnight but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the year ended December 31, 2023, the fund did not utilize the credit facilities or the Interfund Lending Program.

8. Other: Dividend income is recorded on the ex-dividend date. Non-cash dividends included in income, if any, are recorded at the fair value of the securities received. Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. Premiums and discounts on debt securities are amortized and accreted, respectively, to interest income over the lives of the respective securities, except for premiums on certain callable debt securities that are amortized to the earliest call date. 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 and are generally settled twice a month.

Upon the request of Vanguard, the fund may invest up to 0.40% of its net assets as capital in Vanguard. At December 31, 2023, the fund had contributed to Vanguard capital in the amount of \$2,927,000, representing less than 0.01% of the fund's net assets and 1.17% of Vanguard's capital received pursuant to the FSA. The fund's trustees and officers are also directors and employees, respectively, of Vanguard.

C. The fund's custodian bank has agreed to reduce its fees when the fund maintains cash on deposit in the non-interest-bearing custody account. For the year ended December 31, 2023, custodian fee offset arrangements reduced the fund's expenses by \$5,000 (an annual rate of less than 0.01% of average net assets).

D. Various inputs may be used to determine the value of the fund's investments and derivatives. 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). Any investments and derivatives valued with significant unobservable inputs are noted on the Schedule of Investments.

The following table summarizes the market value of the fund's investments and derivatives as of December 31, 2023, based on the inputs used to value them:

| | Level 1 (\$000) | Level 2 (\$000) | Level 3 (\$000) | Total (\$000) |
|----------------------------------|--------------------|--------------------|--------------------|------------------|
| Investments | | | | |
| Assets | | | | |
| Common Stocks | 96,832,085 | — | 4,866 | 96,836,951 |
| Preferred Stocks | 125 | _ | _ | 125 |
| Rights | 2 | 102 | 2,648 | 2,752 |
| Warrants | _ | _ | 1,116 | 1,116 |
| Temporary Cash Investments | 2,089,208 | _ | _ | 2,089,208 |
| Total | 98,921,420 | 102 | 8,630 | 98,930,152 |
| Derivative Financial Instruments | | | | |
| Assets | | | | |
| Futures Contracts ¹ | 12,986 | _ | _ | 12,986 |
| Swap Contracts | _ | 4,787 | _ | 4,787 |
| Total | 12,986 | 4,787 | _ | 17,773 |
| Liabilities | | | | |
| Swap Contracts | _ | 1,045 | _ | 1,045 |

1 Includes cumulative appreciation (depreciation) on futures contracts and centrally cleared swaps, if any, as reported in the Schedule of Investments. Only current day's variation margin is reported within the Statement of Assets and Liabilities.

E. Permanent differences between book-basis and tax-basis components of net assets are reclassified among capital accounts in the financial statements to reflect their tax character. These reclassifications have no effect on net assets or net asset value per share. As of period end, permanent differences primarily attributable to the accounting for applicable in-kind redemptions, passive foreign investment companies, and swap agreements were reclassified between the following accounts:

| | Amount (\$000) |
|-------------------------------------|-------------------|
| Paid-in Capital | 5,721,800 |
| Total Distributable Earnings (Loss) | (5,721,800) |

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement and tax purposes; these differences will reverse at some time in the future. The differences are primarily related to capital loss carryforwards; the deferral of losses from wash sales; the recognition of unrealized gains or losses from certain derivative contracts; the recognition of unrealized gains from passive foreign investment companies; and the classification of securities for

tax purposes. As of period end, the tax-basis components of total distributable earnings (loss) are detailed in the table as follows:

| | Amount (\$000) |
|-------------------------------|-------------------|
| Undistributed Ordinary Income | 42,694 |
| Undistributed Long-Term Gains | _ |
| Net Unrealized Gains (Losses) | 14,687,076 |
| Capital Loss Carryforwards | (4,807,120) |
| Qualified Late-Year Losses | — |
| Other Temporary Differences | — |
| Total | 9,922,650 |

The tax character of distributions paid was as follows:

| | Year Ended D | Year Ended December 31, | | |
|-------------------------|---------------------------|---------------------------|--|--|
| | 2023 Amount (\$000) | 2022 Amount (\$000) | | |
| Ordinary Income* | 1,238,773 | 915,810 | | |
| Long-Term Capital Gains | _ | _ | | |
| Total | 1,238,773 | 915,810 | | |

* Includes short-term capital gains, if any.

As of December 31, 2023, gross unrealized appreciation and depreciation for investments and derivatives based on cost for U.S. federal income tax purposes were as follows:

| | Amount (\$000) |
|--|-------------------|
| Tax Cost | 84,243,076 |
| Gross Unrealized Appreciation | 32,329,904 |
| Gross Unrealized Depreciation | (17,642,828) |
| Net Unrealized Appreciation (Depreciation) | 14,687,076 |

F. During the year ended December 31, 2023, the fund purchased \$19,621,054,000 of investment securities and sold \$19,515,727,000 of investment securities, other than temporary cash investments. Purchases and sales include \$9,464,667,000 and \$10,163,029,000, respectively, in connection with in-kind purchases and redemptions of the fund's capital shares.

The fund purchased securities from and sold securities to other Vanguard funds or accounts managed by Vanguard or its affiliates, in accordance with procedures adopted by the board of trustees in compliance with Rule 17a-7 of the Investment Company Act of 1940. For the year ended December 31, 2023, such purchases were \$1,072,681,000 and sales were \$2,200,522,000, resulting in net realized gain of \$165,725,000; these amounts, other than temporary cash investments, are included in the purchases and sales of investment securities noted above.

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

| | | Year Ended December 3 | | | | |
|---|-------------------|-----------------------|-------------------|-----------------|--|--|
| | | 2023 | | 2022 | | |
| | Amount (\$000) | Shares (000) | Amount (\$000) | Shares (000) | | |
| Investor Shares | | | | | | |
| Issued | 7,047 | 64 | 10,368 | 92 | | |
| Issued in Lieu of Cash Distributions | 2,799 | 25 | 2,370 | 23 | | |
| Redeemed | (54,161) | (496) | (85,072) | (721) | | |
| Net Increase (Decrease)—Investor Shares | (44,315) | (407) | (72,334) | (606) | | |

| | | | Year Ended De | cember 31, |
|---|-------------------|-----------------|-------------------|-----------------|
| | | 2023 | | 2022 |
| | Amount (\$000) | Shares (000) | Amount (\$000) | Shares (000) |
| ETF Shares | | | | |
| Issued | 10,241,871 | 68,864 | 7,785,642 | 54,535 |
| Issued in Lieu of Cash Distributions | _ | — | — | _ |
| Redeemed | (9,083,685) | (60,200) | (7,440,676) | (52,300) |
| Net Increase (Decrease)—ETF Shares | 1,158,186 | 8,664 | 344,966 | 2,235 |
| Admiral Shares | | | | |
| Issued | 1,528,622 | 13,910 | 2,057,224 | 18,437 |
| Issued in Lieu of Cash Distributions | 253,200 | 2,264 | 193,334 | 1,884 |
| Redeemed | (2,767,756) | (25,026) | (3,503,396) | (31,355) |
| Net Increase (Decrease)—Admiral Shares | (985,934) | (8,852) | (1,252,838) | (11,034) |
| Institutional Shares | | | | |
| Issued | 2,289,403 | 20,910 | 2,414,097 | 21,403 |
| Issued in Lieu of Cash Distributions | 183,474 | 1,642 | 143,746 | 1,400 |
| Redeemed | (3,300,533) | (29,875) | (3,767,802) | (34,333) |
| Net Increase (Decrease)—Institutional Shares | (827,656) | (7,323) | (1,209,959) | (11,530) |
| Institutional Plus Shares | | | | |
| Issued | 1,568,473 | 5,907 | 3,581,013 | 13,375 |
| Issued in Lieu of Cash Distributions | 152,432 | 552 | 125,346 | 495 |
| Redeemed | (2,377,771) | (8,729) | (4,882,352) | (18,563) |
| Net Increase (Decrease)—Institutional Plus Shares | (656,866) | (2,270) | (1,175,993) | (4,693) |
| Institutional Select Shares | | | | |
| Issued | 3,253,688 | 18,298 | 4,415,226 | 25,617 |
| Issued in Lieu of Cash Distributions | 358,784 | 1,994 | 248,096 | 1,506 |
| | | | | (7.00.4) |
| Redeemed | (2,735,437) | (15,917) | (1,372,911) | (7,624) |

H. Significant market disruptions, such as those caused by pandemics (e.g., COVID-19 pandemic), natural or environmental disasters, war (e.g., Russia's invasion of Ukraine), acts of terrorism, or other events, can adversely affect local and global markets and normal market operations. Any such disruptions could have an adverse impact on the value of the fund's investments and fund performance.

To the extent the fund's investment portfolio reflects concentration in a particular market, industry, sector, country or asset class, the fund may be adversely affected by the performance of these concentrations and may be subject to increased price volatility and other risks.

The use of derivatives may expose the fund to various risks. Derivatives can be highly volatile, and any initial investment is generally small relative to the notional amount so that transactions may be leveraged in terms of market exposure. A relatively small market movement may have a potentially larger impact on derivatives than on standard securities. Leveraged derivatives positions can, therefore, increase volatility. Additional information regarding the fund's use of derivative(s) and the specific risks associated is described under significant accounting policies.

I. Management has determined that no events or transactions occurred subsequent to December 31, 2023, that would require recognition or disclosure in these financial statements.

Mid-Cap Index Fund

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.

Cumulative Performance: December 31, 2013, Through December 31, 2023 Initial Investment of \$10,000



| | Average Annual Total Returns Periods Ended December 31, 2023 | | | |
|---|---|---------------|--------------|--|
| _ | One Year | Five Years | Ten Years | Final Value of a \$10,000 Investment |
| Mid-Cap Index Fund Investor Shares | 15.84% | 12.57% | 9.27% | \$24,275 |
| ······ CRSP US Mid Cap Index | 15.98 | 12.73 | 9.44 | 24,643 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 11.40 | 29,422 |

| | One Year | Five Years | Ten Years | Final Value of a \$10,000 Investment |
|---|-------------|---------------|--------------|--|
| Mid-Cap Index Fund ETF Shares Net Asset Value | 15.99% | 12.72% | 9.41% | \$24,589 |
| Mid-Cap Index Fund ETF Shares Market Price | 16.04 | 12.73 | 9.42 | 24,595 |
| CRSP US Mid Cap Index | 15.98 | 12.73 | 9.44 | 24,643 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 11.40 | 29,422 |

| | One Year | Five Years | Ten Years | Final Value of a \$10,000 Investment |
|---|-------------|---------------|--------------|--|
| Mid-Cap Index Fund Admiral Shares | 15.98% | 12.71% | 9.41% | \$24,576 |
| CRSP US Mid Cap Index | 15.98 | 12.73 | 9.44 | 24,643 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 11.40 | 29,422 |

| | Average Annual Total Returns Periods Ended December 31, 2023 | | | |
|---|---|---------------|--------------|---|
| _ | One Year | Five Years | Ten Years | Final Value of a \$5,000,000 Investment |
| Mid-Cap Index Fund Institutional Shares | 16.00% | 12.72% | 9.42% | \$12,302,398 |
| CRSP US Mid Cap Index | 15.98 | 12.73 | 9.44 | 12,321,356 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 11.40 | 14,710,990 |

| | One Year | Five Years | Ten Years | Final Value of a \$100,000,000 Investment |
|---|-------------|---------------|--------------|---|
| Mid-Cap Index Fund Institutional Plus Shares | 16.00% | 12.73% | 9.43% | \$246,303,260 |
| CRSP US Mid Cap Index | 15.98 | 12.73 | 9.44 | 246,427,120 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 11.40 | 294,219,800 |

Cumulative Returns of ETF Shares: December 31, 2013, Through December 31, 2023

| | One Year | Five Years | Ten Years |
|---|-------------|---------------|--------------|
| Mid-Cap Index Fund ETF Shares Market Price | 16.04% | 82.07% | 145.95% |
| Mid-Cap Index Fund ETF Shares Net Asset Value | 15.99 | 81.93 | 145.89 |
| CRSP US Mid Cap Index | 15.98 | 82.04 | 146.43 |

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, click on Price, and then scroll down to the Premium/Discount chart. The ETF premium/discount chart there shows the percentage and days on which the ETF Shares' market price was above or below the NAV.

Fund Allocation

As of December 31, 2023

| Basic Materials | 3.8% |
|------------------------|------|
| Consumer Discretionary | 13.1 |
| Consumer Staples | 4.5 |
| Energy | 4.9 |
| Financials | 12.5 |
| Health Care | 9.5 |
| Industrials | 19.6 |
| Real Estate | 8.3 |
| Technology | 14.5 |
| Telecommunications | 1.9 |
| Utilities | 7.4 |
| | |

The table reflects the fund's investments, except for short-term investments and derivatives. Sector categories are based on the Industry Classification Benchmark ("ICB"), except for the "Other" category (if applicable), which includes securities that have not been provided an ICB classification as of the effective reporting period.

The fund may invest in derivatives (such as futures and swap contracts) for various reasons, including, but not limited to, attempting to remain fully invested and tracking its target index as closely as possible.

Financial Statements

Schedule of Investments

As of December 31, 2023

The fund files its complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The fund's Form N-PORT reports are available on the SEC's website at www.sec.gov.

| | | Market Value• | | | Market Value• |
|---|------------|------------------|---|------------|------------------|
| | Shares | (\$000) | | Shares | (\$000) |
| Common Stocks (99.4%) | | | Las Vegas Sands Corp. | 4,285,219 | 210,876 |
| Basic Materials (3.7%) | | | Pool Corp. | 411,943 | 164,246 |
| Nucor Corp. | 5,510,138 | 958,984 | Fox Corp. Class A | 5,429,972 | 161,107 |
| Fastenal Co. | 12,807,877 | 829,566 | Interpublic Group of Cos. Inc. | 4,294,545 | 140,174 |
| LyondellBasell Industries NV Class A | 5,815,440 | 552,932 | Cariviax Inc. | 1,779,509 | 136,559 |
| Newmont Corp. | 12,918,406 | 534,693 | Warner Music Group Corp. Class A | 2,791,956 | 99,924 |
| International Flavors & Fragrances Inc. | 5,720,526 | 463,191 | Fox Corp. Class B | 3,029,272 | 83,759 |
| ¹ Albemarle Corp. | 2,631,183 | 380,153 | | 5,381,789 | 79,597 |
| Celanese Corp. Class A | 2,440,605 | 379,197 | Endeavor Group Holdings Inc. Class A | 3,032,411 | 71,959 |
| Avery Dennison Corp. | 1,805,607 | 365,022 | Sirius XM Holdings Inc. *,1 Lucid Group Inc. | 10,436,788 | 57,089 |
| CF Industries Holdings Inc. | 4,280,566 | 340,305 | | 10,269,566 | 43,235 |
| International Paper Co. | 7,758,070 | 280,454 | Lennar Corp. Class B | 212,879 | 28,536 |
| Mosaic Co. | 7,328,071 | 261,832 | * Chewy Inc. Class A | 1,143,405 | 27,019 |
| Steel Dynamics Inc. | 1,723,349 | 203,528 | News Corp. Class B | 355,310 | 9,139 |
| Eastman Chemical Co. | 1,329,717 | 119,435 | ¹ Paramount Global Class A | 156,436 | 3,076 |
| FMC Corp. | 1,399,161 | 88,217 | | | 20,285,213 |
| Westlake Corp. | 359,151 | 50,267 | Consumer Staples (4.5%) | | |
| | - | 5,807,776 | Cencora Inc. | 3,799,541 | 780,350 |
| Consumer Discretionary (13.1%) | | 0,001,110 | Corteva Inc. | 15,798,180 | 757,049 |
| DR Horton Inc. | 6,348,401 | 964,830 | Kroger Co. | 14,508,195 | 663,170 |
| * Copart Inc. | 19,371,336 | 949,195 | Church & Dwight Co. Inc. | 5,521,060 | 522,071 |
| Lennar Corp. Class A | 5,623,294 | 838,096 | Archer-Daniels-Midland Co. | 5,979,540 | 431,842 |
| * Chipotle Mexican Grill Inc. Class A | 307,577 | 703,416 | Walgreens Boots Alliance Inc. | 15,496,311 | 404,609 |
| * Trade Desk Inc. Class A | 9,652,553 | 694,598 | Brown-Forman Corp. Class B | 6,953,007 | 397,017 |
| Dollar General Corp. | 4,919,884 | 668,858 | Clorox Co. | 2,781,535 | 396,619 |
| * Dollar Tree Inc. | 4,684,144 | 665,383 | McCormick & Co. Inc. (Non-Voting) | 5,634,230 | 385,494 |
| * Royal Caribbean Cruises Ltd. | 4,881,373 | 632,089 | Tyson Foods Inc. Class A | 6,395,218 | 343,743 |
| * Take-Two Interactive Software Inc. | 3,811,555 | 613,470 | Kellanova | 6,143,550 | 343,486 |
| Delta Air Lines Inc. | 14,418,520 | 580,057 | Conagra Brands Inc. | 10,703,474 | 306,762 |
| * Aptiv plc | 6,338,813 | 568,718 | J M Smucker Co. | 2,260,643 | 285,700 |
| * Warner Bros Discovery Inc. | 49,186,833 | 559,746 | Campbell Soup Co. | 4,337,446 | 187,508 |
| * Ulta Beauty Inc. | 1,103,237 | 540,575 | Hormel Foods Corp. | 5,676,330 | 182,267 |
| Hilton Worldwide Holdings Inc. | 2,873,531 | 523,241 | Lamb Weston Holdings Inc. | 1,624,728 | 175,617 |
| Tractor Supply Co. | 2,422,869 | 520,990 | Albertsons Cos. Inc. Class A | 7,101,759 | 163,340 |
| * AutoZone Inc. | 197,586 | 510,880 | Molson Coors Beverage Co. Class B | 2,027,584 | 124,108 |
| eBay Inc. | 11,630,981 | 507,343 | Brown-Forman Corp. Class A | 1,134,724 | 67,618 |
| * ROBLOX Corp. Class A | 10,926,926 | 499,579 | | | 6,918,370 |
| PulteGroup Inc. | 4,831,650 | 498,723 | Energy (4.9%) | | |
| * NVR Inc. | 67,696 | 473,902 | ONEOK Inc. | 13,056,434 | 916,823 |
| * Expedia Group Inc. | 2,987,734 | 453,508 | Hess Corp. | 6,195,569 | 893,153 |
| Darden Restaurants Inc. | 2,697,631 | 443,221 | Cheniere Energy Inc. | 5,073,224 | 866,050 |
| Garmin Ltd. | 3,431,963 | 441,145 | Baker Hughes Co. Class A | 22,553,500 | 770,879 |
| Genuine Parts Co. | 3,141,367 | 435,079 | Halliburton Co. | 18,054,283 | 652,662 |
| * Carnival Corp. | 22,589,342 | 418,806 | Devon Energy Corp. | 14,359,114 | 650,468 |
| Electronic Arts Inc. | 3,015,274 | 412,520 | Diamondback Energy Inc. | 4,011,236 | 622,063 |
| *,1 Rivian Automotive Inc. Class A | 17,037,663 | 399,704 | Williams Cos. Inc. | 13,637,669 | 475,000 |
| Southwest Airlines Co. | 13,365,560 | 385,997 | Coterra Energy Inc. | 16,021,862 | 408,878 |
| Omnicom Group Inc. | 4,435,360 | 383,703 | First Solar Inc. | 2,275,784 | 392,072 |
| Best Buy Co. Inc. | 4,391,733 | 343,785 | Enphase Energy Inc. | 2,908,545 | 384,335 |
| * Live Nation Entertainment Inc. | 3,615,138 | 338,377 | Marathon Oil Corp. | 13,122,142 | 317,031 |
| Domino's Pizza Inc. | 781,464 | 322,143 | EQT Corp. | 4,611,303 | 178,273 |
| * United Airlines Holdings Inc. | 7,325,640 | 302,256 | Texas Pacific Land Corp. | 68,845 | 108,255 |
| LKQ Corp. | 5,999,977 | 286,739 | | | 7,635,942 |
| Rollins Inc. | 6,511,611 | 284,362 | Financials (12.5%) | | |
| * Burlington Stores Inc. | 1,446,727 | 281,359 | Arthur J Gallagher & Co. | 4,840,713 | 1,088,580 |
| News Corp. Class A | 10,829,977 | 265,876 | MSCI Inc. Class A | 1,684,195 | 952,665 |
| * MGM Resorts International | 5,744,148 | 256,649 | Ameriprise Financial Inc. | 2,268,284 | 861,562 |

| | | Market | | | Market |
|---|-------------------------|--------------------|--|------------------------|--------------------|
| | Shares | Value• (\$000) | | Shares | Value• (\$000) |
| Prudential Financial Inc. | 8,092,373 | 839,260 | Viatris Inc. | 26,898,305 | 291,309 |
| Apollo Global Management Inc. | 8,904,941 | 829,851 | * Incyte Corp. | 4,271,087 | 268,181 |
| Allstate Corp. Discover Financial Services | 5,865,360 5,604,329 | 821,033 629,927 | Royalty Pharma plc Class A Teleflex Inc. | 8,478,652 526,049 | 238,165 |
| * Arch Capital Group Ltd. | 5,604,329 7,945,199 | 629,927 590,090 | * Henry Schein Inc. | 1,464,549 | 131,165 110,881 |
| Willis Towers Watson plc | 2,314,181 | 558,180 | * Bio-Rad Laboratories Inc. Class A | 229,359 | 74,058 |
| Broadridge Financial Solutions Inc. | 2,636,519 | 542,464 | | | 14,669,961 |
| Hartford Financial Services Group Inc. | 6,740,463 | 541,798 | Industrials (19.5%) | | 14,003,301 |
| T. Rowe Price Group Inc. | 5,008,120 | 539,324 | TransDigm Group Inc. | 1,177,813 | 1,191,476 |
| American International Group Inc. | 7,866,591 | 532,962 | Cintas Corp. | 1,940,594 | 1,169,518 |
| * Coinbase Global Inc. Class A | 3,043,269 | 529,285 | PACCAR Inc. | 11,724,879 | 1,144,934 |
| Nasdaq Inc. Fifth Third Bancorp | 9,055,226 15,261,818 | 526,471 526,380 | Carrier Global Corp. | 18,807,531 | 1,080,493 |
| M&T Bank Corp. | 3,719,173 | 520,380 509,824 | Old Dominion Freight Line Inc. | 2,201,052 | 892,152 |
| State Street Corp. | 6,569,702 | 508,889 | Ferguson plc | 4,562,803 | 880,940 |
| Raymond James Financial Inc. | 4,209,492 | 469,358 | United Rentals Inc. AMETEK Inc. | 1,519,295 5,172,520 | 871,194 852,897 |
| Ares Management Corp. Class A | 3,744,927 | 445,347 | WW Grainger Inc. | 1,001,260 | 829,734 |
| Cboe Global Markets Inc. | 2,366,694 | 422,597 | Otis Worldwide Corp. | 9,174,157 | 820,812 |
| Principal Financial Group Inc. | 5,342,303 | 420,279 | Rockwell Automation Inc. | 2,570,061 | 797,953 |
| Huntington Bancshares Inc. | 32,447,639 | 412,734 | Verisk Analytics Inc. Class A | 3,249,680 | 776,219 |
| FactSet Research Systems Inc. | 851,745 | 406,325 | Cummins Inc. | 3,177,059 | 761,128 |
| Regions Financial Corp. * Markel Group Inc. | 20,840,005 281,389 | 403,879 399,544 | Quanta Services Inc. | 3,256,250 | 702,699 |
| LPL Financial Holdings Inc. | 1,694,378 | 385,674 | Ingersoll Rand Inc. | 9,072,738 | 701,686 |
| Northern Trust Corp. | 4,406,909 | 371,855 | Martin Marietta Materials Inc. | 1,385,298 | 691,139 |
| Cincinnati Financial Corp. | 3,515,602 | 363,724 | Equifax Inc. Vulcan Materials Co. | 2,761,616 2,978,094 | 682,920 676,057 |
| Everest Group Ltd. | 972,857 | 343,983 | DuPont de Nemours Inc. | 8,676,192 | 667,459 |
| Citizens Financial Group Inc. | 9,930,656 | 329,102 | * Keysight Technologies Inc. | 3,912,892 | 622,502 |
| W R Berkley Corp. | 4,336,317 | 306,664 | Xylem Inc. | 5,402,992 | 617,886 |
| KeyCorp | 20,974,408 | 302,032 | * Fair Isaac Corp. | 526,298 | 612,616 |
| Fidelity National Financial Inc. | 5,796,994 | 295,763 | Fidelity National Information Services Inc. | 10,181,425 | 611,598 |
| Loews Corp. Tradeweb Markets Inc. Class A | 4,004,598 | 278,680 | Mettler-Toledo International Inc. | 485,961 | 589,451 |
| Interactive Brokers Group Inc. Class A | 2,572,288 2,279,441 | 233,770 188,966 | Fortive Corp. | 7,876,111 | 579,918 |
| Franklin Resources Inc. | 6,099,336 | 181,699 | Global Payments Inc. | 4,536,241 | 576,103 |
| Brown & Brown Inc. | 2,552,415 | 181,502 | Westinghouse Air Brake Technologies Corp. | 4,014,986 | 509,502 |
| Globe Life Inc. | 1,002,388 | 122,011 | Dover Corp. * Teledyne Technologies Inc. | 3,136,498 1,057,940 | 482,425 472,148 |
| Corebridge Financial Inc. | 4,940,692 | 107,015 | L3Harris Technologies Inc. | 2,123,985 | 447,354 |
| ^{*,1} Rocket Cos. Inc. Class A | 2,841,266 | 41,142 | Johnson Controls International plc | 7,623,684 | 439,429 |
| | | 19,342,190 | * Waters Corp. | 1,324,927 | 436,206 |
| Health Care (9.4%) | | | * FleetCorTechnologies Inc. | 1,537,977 | 434,648 |
| Dexcom Inc. | 8,660,541 | 1,074,686 | Veralto Corp. | 5,246,261 | 431,557 |
| IQVIA Holdings Inc. | 4,090,549 | 946,471 | Expeditors International of Washington Inc. | 3,259,843 | 414,652 |
| * Centene Corp. | 11,973,441 | 888,549 | Ball Corp. | 7,064,977 | 406,378 |
| GE HealthCare Technologies Inc. | 8,672,772 | 670,579 583,893 | PPG Industries Inc. | 2,642,358 | 395,165 |
| West Pharmaceutical Services Inc. Zimmer Biomet Holdings Inc. | 1,658,223 4,683,507 | 569,983 | JB Hunt Transport Services Inc. Jacobs Solutions Inc. | 1,850,069 2,825,612 | 369,533 366,764 |
| * Veeva Systems Inc. Class A | 2,948,113 | 567,571 | Synchrony Financial | 9,278,003 | 354,327 |
| ResMed Inc. | 3,296,525 | 567,068 | Textron Inc. | 4,394,701 | 353,422 |
| Cardinal Health Inc. | 5,523,687 | 556,788 | Snap-on Inc. | 1,183,395 | 341,812 |
| * IDEXX Laboratories Inc. | 930,604 | 516,532 | Masco Corp. | 5,033,614 | 337,151 |
| * Alnylam Pharmaceuticals Inc. | 2,683,298 | 513,610 | Stanley Black & Decker Inc. | 3,434,844 | 336,958 |
| * Illumina Inc. | 3,560,457 | 495,758 | Packaging Corp. of America | 2,009,479 | 327,364 |
| STERIS plc | 2,214,078 | 486,765 | * Zebra Technologies Corp. Class A | 1,151,539 | 314,750 |
| Molina Healthcare Inc. | 1,242,160 | 448,805 | TransUnion * Trimble Inc. | 4,342,977 | 298,406 |
| Align Technology Inc. | 1,631,357 | 446,992 | | 5,577,634 | 296,730 |
| Baxter International Inc. Laboratory Corp. of America Holdings | 11,368,333 1,903,592 | 439,500 432,667 | Howmet Aerospace Inc. HEICO Corp. Class A | 4,615,815 1,684,835 | 249,808 239,988 |
| * Biogen Inc. | 1,623,732 | 432,007 420,173 | Hubbell Inc. Class B | 601,129 | 197,729 |
| Cooper Cos. Inc. | 1,109,720 | 419,962 | HEICO Corp. | 919,726 | 164,511 |
| * BioMarin Pharmaceutical Inc. | 4,220,801 | 406,970 | Jack Henry & Associates Inc. | 816,456 | 133,417 |
| Hologic Inc. | 5,381,199 | 384,487 | Crown Holdings Inc. | 1,353,067 | 124,604 |
| Moderna Inc. | 3,845,385 | 382,423 | CH Robinson Worldwide Inc. | 1,242,861 | 107,371 |
| Quest Diagnostics Inc. | 2,520,924 | 347,585 | * BILL Holdings Inc. | 1,137,424 | 92,802 |
| * Avantor Inc. | 15,165,303 | 346,224 339,707 | ^{*,1} Symbotic Inc. Class A | 552,210 | 28,345 |
| * Insulet Corp. | 1,565,615 | | | | |

| | | Market Value• |
|---|--------------------------|------------------------|
| | Shares | (\$000) |
| Real Estate (8.2%) | 40.404.000 | |
| Welltower Inc. | 12,464,889 | 1,123,959 |
| Realty Income Corp. Digital Realty Trust Inc. | 16,225,312 6,788,268 | 931,657 913,565 |
| * CoStar Group Inc. | 9,153,123 | 799,892 |
| Extra Space Storage Inc. | 4,735,481 | 759,240 |
| VICI Properties Inc. Class A | 20,537,306 | 654,729 |
| SBA Communications Corp. Class A | 2,417,959 | 613,412 |
| * CBRE Group Inc. Class A | 6,489,476 | 604,105 |
| AvalonBay Communities Inc. | 3,182,795 | 595,883 |
| Weyerhaeuser Co. | 16,360,158 | 568,843 |
| Simon Property Group Inc. Equity Residential | 3,472,778 8,088,125 | 495,357 494,670 |
| Alexandria Real Estate Equities Inc. | 3,894,297 | 493,680 |
| Invitation Homes Inc. | 13,720,867 | 468,019 |
| Iron Mountain Inc. | 6,543,104 | 457,886 |
| Ventas Inc. | 9,016,758 | 449,395 |
| Sun Communities Inc. | 2,788,313 | 372,658 |
| Essex Property Trust Inc. | 1,439,069 | 356,803 |
| Mid-America Apartment Communities Inc. | 2,616,265 | 351,783 |
| WP Carey Inc. | 4,902,815 | 317,752 |
| UDR Inc. | 7,374,955 | 282,387 |
| Host Hotels & Resorts Inc. | 7,907,988 | 153,969 |
| Regency Centers Corp. Healthpeak Properties Inc. | 2,069,230 6,135,482 | 138,638 121,483 |
| Camden Property Trust | 1,197,466 | 118,896 |
| * Zillow Group Inc. Class C | 1,732,568 | 100,246 |
| * Zillow Group Inc. Class A | 437,625 | 24,822 |
| | | 12,763,729 |
| Technology (14.4%) | 10 410 146 | 1 220 240 |
| Amphenol Corp. Class A Microchip Technology Inc. | 13,410,146 12,126,719 | 1,329,348 1,093,588 |
| * Atlassian Corp. Class A | 3,474,492 | 826,443 |
| * ON Semiconductor Corp. | 9,653,470 | 806,354 |
| * Palantir Technologies Inc. Class A | 43,796,781 | 751,991 |
| * Gartner Inc. | 1,659,756 | 748,733 |
| * Datadog Inc. Class A | 6,095,299 | 739,847 |
| * ANSYS Inc. | 1,946,964 | 706,514 |
| DoorDash Inc. Class A | 7,062,935 | 698,454 |
| CDW Corp. | 3,002,274 | 682,477 |
| Monolithic Power Systems Inc. * HubSpot Inc. | 1,020,127 | 643,476 622 111 |
| * MongoDB Inc. Class A | 1,071,608 1,519,028 | 622,111 621,055 |
| HP Inc. | 19,933,985 | 599,814 |
| Marvell Technology Inc. | 9,668,331 | 583,097 |
| * Splunk Inc. | 3,777,129 | 575,446 |
| * Cloudflare Inc. Class A | 6,299,715 | 524,514 |
| Corning Inc. | 17,207,907 | 523,981 |
| Hewlett Packard Enterprise Co. | 28,748,844 | 488,155 |
| * Pinterest Inc. Class A | 13,139,793 | 486,698 |
| * Zscaler Inc. | 1,978,682 | 438,397 |
| * Fortinet Inc. Cognizant Technology Solutions Corp. Class A | 7,313,191 | 428,041 424,390 |
| NetApp Inc. | A 5,618,831 4,678,595 | 424,390 412,465 |
| Skyworks Solutions Inc. | 3,586,382 | 403,181 |
| * VeriSign Inc. | 1,945,839 | 400,765 |
| * Akamai Technologies Inc. | 3,381,851 | 400,242 |
| * Snap Inc. Class A | 23,411,330 | 396,354 |
| * Tyler Technologies Inc. | 944,474 | 394,903 |
| * EPAM Systems Inc. | 1,292,855 | 384,417 |
| * Western Digital Corp. | 7,269,906 | 380,725 |
| Seagate Technology Holdings plc | 4,455,632 | 380,377 |
| * Zoom Video Communications Inc. Class A | 5,201,865 | 374,066 |
| Teradyne Inc. * GoDaddy Inc. Class A | 3,427,739 3,157,517 | 371,978 335,202 |
| Gobauuy mc. Class A | 3,137,317 | JJJJ,ZUZ |

| Cost is in \$000. • See Note A in Notes to Financial Statements. | | |
|---|-------------------------|------------------------|
| Net Assets (100%) | | 155,461,599 |
| Other Assets and Liabilities—Net (-0.1%) | | (169,069 |
| Total Investments (100.1%) (Cost \$103,570,369) | | 155,630,668 |
| Money Market Fund (0.7%) ^{2,3} Vanguard Market Liquidity Fund, 5.435% (Cost \$1,119,168) | 11,195,073 | 1,119,284 |
| Temporary Cash Investments (0.7%) | | |
| (Cost \$102,451,201) | | 154,511,384 |
| Total Common Stocks | | 11,489,591 |
| Avangrid Inc. | 1,734,513 | 56,216 |
| Vistra Corp. | 4,008,321 | 154,401 |
| NiSource Inc. | 10,028,854 | 266,266 |
| Evergy Inc. | 5,147,537 | 268,701 |
| AES Corp. | 15,013,463 | 289,009 |
| Alliant Energy Corp. | 5,666,284 | 379,874 290,680 |
| CenterPoint Energy Inc. CMS Energy Corp. | 14,112,573 6,541,648 | 403,196 |
| Ameren Corp. | 5,866,383 | 424,374 |
| DTE Energy Co. | 3,925,726 | 432,851 |
| PPL Corp. | 16,516,959 | 447,610 |
| FirstEnergy Corp. | 12,215,378 | 447,816 |
| Entergy Corp. | 4,738,564 | 479,495 |
| Eversource Energy | 4,303,012 | 575,953 482,822 |
| WEC Energy Group Inc. American Water Works Co. Inc. | 7,069,329 4,363,612 | 595,025 |
| Edison International | 8,596,398 | 614,557 |
| Public Service Enterprise Group Inc. | 11,186,529 | 684,056 |
| Consolidated Edison Inc. | 7,730,772 | 703,268 |
| Xcel Energy Inc. | 12,369,766 | 765,812 |
| Constellation Energy Corp. | 7,158,810 | 836,793 |
| Waste Connections Inc. | 5,774,462 | 861,954 |
| Jtilities (7.4%) PG&E Corp. | 57,063,899 | 1,028,862 |
| | | 2,852,753 |
| Liberty Broadband Corp. Class A | 381,143 | 30,736 |
| Roku Inc. Class A | 1,402,327 | 128,537 |
| Liberty Broadband Corp. Class C | 2,666,823 | 214,919 |
| Motorola Solutions Inc. | 3,720,116 | 1,313,830 1,164,731 |
| elecommunications (1.8%) Arista Networks Inc. | 5,578,658 | 1 313 830 |
| | | 22,439,119 |
| Match Group Inc. | 3,048,536 | 111,272 |
| Qorvo Inc. | 1,091,772 | 122,944 |
| DocuSign Inc. Class A | 2,278,976 | 135,485 |
| Paycom Software Inc. Leidos Holdings Inc. | 1,147,827 1,541,529 | 237,279 166,855 |
| Unity Software Inc. | 5,964,332 | 243,882 |
| Bentley Systems Inc. Class B | 5,100,469 | 266,142 |
| Gen Digital Inc. | 12,210,725 | 278,649 |
| SS&C Technologies Holdings Inc. | 4,717,197 | 288,268 |
| Twilio Inc. Class A | 3,856,232 | 292,572 |
| Okta Inc. Class A | 3,514,548 | 318,172 |
| | Shares | (\$000 |

1 Includes partial security positions on loan to broker-dealers. The total value of securities on loan is \$180,290,000.

Arfiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.
Collateral of \$199,138,000 was received for securities on loan.

Derivative Financial Instruments Outstanding as of Period End

Futures Contracts

| | | | (\$000) |
|------------|--|--------------------------------------|---|
| Expiration | Number of Long (Short) Contracts | Notional Amount | Value and Unrealized Appreciation (Depreciation) |
| | | | |
| March 2024 | 1,040 | 292,188 | 7,544 |
| | | Long (Short) Expiration Contracts | Long (Short) Notional Expiration Contracts Amount |

Over-the-Counter Total Return Swaps

| | | | | Floating | | |
|--|---------------------|--------------|-------------------|----------------------------|-------------------------|---------------------------|
| | | | | Interest | | |
| | | | | Rate | Value and | Value and |
| | Toursiantion | | Notional | Received | Unrealized | Unrealized |
| Reference Entity | Termination Date | Counterparty | Amount (\$000) | (Paid) ¹ (%) | Appreciation (\$000) | (Depreciation) (\$000) |
| Alnylam Pharmaceuticals Inc. | 8/30/24 | BANA | 21,704 | (5.332) | 2,897 | _ |
| Ameren Corp. | 1/31/24 | GSI | 1,076 | (5.331) | 17 | |
| Coinbase Global Inc. Class A | 1/31/24 | GSI | 59,160 | (5.331) | 10,312 | |
| CRSP US Mid Cap TR Index | 8/30/24 | BANA | 106,511 | (5.882) | 6,631 | _ |
| Fidelity National Information Services Inc. | 8/30/24 | BANA | 29,480 | (5.979) | 707 | _ |
| Fidelity National Information Services Inc. | 8/30/24 | BANA | 29,470 | (5.978) | 477 | _ |
| Fidelity National Information Services Inc. | 8/30/24 | BANA | 29,460 | (5.979) | 472 | _ |
| Fidelity National Information Services Inc. | 8/30/24 | BANA | 29,360 | (5.977) | 592 | _ |
| Fidelity National Information Services Inc. | 8/30/24 | BANA | 28,920 | (5.977) | 1,038 | _ |
| Fidelity National Information Services Inc. | 8/30/24 | BANA | 23,456 | (5.882) | 673 | _ |
| Fidelity National Information Services Inc. | 8/30/24 | BANA | 12,000 | (5.976) | _ | (16) |
| Global Payments Inc. | 8/30/24 | BANA | 151,372 | (5.932) | 13,355 | _ |
| Hormel Foods Corp. | 1/31/24 | GSI | 13,986 | (5.331) | 441 | _ |
| Molina Healthcare Inc. | 8/30/24 | BANA | 23,761 | (5.332) | _ | (375) |
| Palantir Technologies Inc. Class A | 8/30/24 | BANA | 5,373 | (5.332) | _ | (794) |
| Sirius XM Holdings Inc. | 1/31/24 | GSI | 13,365 | (5.331) | 151 | |
| Trade Desk Inc. Class A | 8/30/24 | BANA | 24,661 | (5.332) | 423 | |
| VICI Properties Inc. Class A | 8/30/24 | BANA | 79,209 | (5.982) | 6,005 | _ |
| | | | | | 44,191 | (1,185) |
| | | | | | | |

1 Based on USD Overnight Bank Funding Rate as of the most recent reset date. Floating interest payment received/paid monthly. BANA—Bank of America, N.A.

GSI-Goldman Sachs International.

At December 31, 2023, the counterparties had deposited in segregated accounts securities with a value of \$55,501,000 in connection with open over-the-counter swap contracts.

Statement of Assets and Liabilities As of December 31, 2023

| (\$000s, except shares, footnotes, and per-share amounts) | Amount |
|---|-------------|
| Assets | |
| Investments in Securities, at Value ¹ | |
| Unaffiliated Issuers (Cost \$102,451,201) | 154,511,384 |
| Affiliated Issuers (Cost \$1,119,168) | 1,119,284 |
| Total Investments in Securities | 155,630,668 |
| Investment in Vanguard | 4,827 |
| Cash | 3,550 |
| Cash Collateral Pledged—Futures Contracts | 28,145 |
| Receivables for Accrued Income | 242,977 |
| Receivables for Capital Shares Issued | 79,665 |
| Unrealized Appreciation—Over-the-Counter Swap Contracts | 44,191 |
| Total Assets | 156,034,023 |
| Liabilities | |
| Payables for Investment Securities Purchased | 7,245 |
| Collateral for Securities on Loan | 199,138 |
| Payables for Capital Shares Redeemed | 357,218 |
| Payables to Vanguard | 2,923 |
| Variation Margin Payable—Futures Contracts | 4,715 |
| Unrealized Depreciation—Over-the-Counter Swap Contracts | 1,185 |
| Total Liabilities | 572,424 |
| Net Assets | 155,461,599 |

1 Includes \$180,290,000 of securities on loan.

Statement of Assets and Liabilities (continued)

At December 31, 2023, net assets consisted of:

| (\$000s, except shares, footnotes, and per-share amounts) | Amount |
|--|-------------|
| Paid-in Capital | 124,561,160 |
| Total Distributable Earnings (Loss) | 30,900,439 |
| Net Assets | 155,461,599 |
| Investor Shares-Net Assets | |
| Applicable to 6,553,612 outstanding \$.001 par value shares of beneficial interest (unlimited authorization) | 416,241 |
| Net Asset Value Per Share—Investor Shares | \$63.51 |
| ETF Shares-Net Assets | |
| Applicable to 255,293,710 outstanding \$.001 par value shares of beneficial interest (unlimited authorization) | 59,375,822 |
| Net Asset Value Per Share—ETF Shares | \$232.58 |
| Admiral Shares—Net Assets | |
| Applicable to 199,014,585 outstanding \$.001 par value shares of beneficial interest (unlimited authorization) | 57,330,173 |
| Net Asset Value Per Share—Admiral Shares | \$288.07 |
| Institutional Shares—Net Assets | |
| Applicable to 343,633,753 outstanding \$.001 par value shares of beneficial interest (unlimited authorization) | 21,867,485 |
| Net Asset Value Per Share—Institutional Shares | \$63.64 |
| Institutional Plus Shares—Net Assets | |
| Applicable to 52,485,031 outstanding \$.001 par value shares of beneficial interest (unlimited authorization) | 16,471,878 |
| Net Asset Value Per Share—Institutional Plus Shares | \$313.84 |

Statement of Operations

| Investment Income (5000) Income 2,366,824 Dividends ¹ 2,386,824 Interest ² 35,149 Securities Londing—Net 23,785 Total Income 2,445,758 Expenses 3,060 Investment Advisory Services 3,060 Management and Administrative—Investor Shares 703 Management and Administrative—ETF Shares 15,555 Management and Administrative—Institutional Shares 6,976 Management and Administrative—Institutional Shares 2,252 Management and Administrative—Institutional Plus Shares 3,753 Marketing and Distribution—Institutional Shares 2,2978 Marketing and Distribution—Institutional Shares 2,387 Marketing and Distribution—Institutional Shares 2,497 Marketing and Distribution—Institutional Shares 449 Custodian Fees 191 Adding Fees 137 Shareholders' Reports—Institutional Shares 578 Shareholders' Reports—Institutional Shares 169 Shareholders' Reports—ETF Shares 138 Shareholders' R | | Year Ended December 31, 2023 |
|---|---|---------------------------------------|
| Income Dividends ¹ 2,346,824 Interest ² 35,149 Securities Lending—Net 23,785 Total Income 2,445,758 Expenses 1 Investment Advisory Services 3,060 Management and Administrative—Investor Shares 703 Management and Administrative—Investor Shares 22,525 Management and Administrative—Institutional Shares 6,976 Management and Administrative—Institutional Shares 6,976 Management and Administrative—Institutional Shares 2,255 Marketing and Distribution—Investor Shares 21 Marketing and Distribution—Investor Shares 2,378 Marketing and Distribution—Institutional Shares 191 Additing Fees 1,389 Shareholders' Reports—Institutional Shares 178 Shareholders' Reports—Institutional Shares 1690 Shareholders' Reports—Institutional Shares 163 | | (\$000) |
| Dividends ¹ 2,386,824 Interest ² 35,149 Securities Lending—Net 2,3785 Total Income 2,445,785 Expenses The Vanguard Group—Note B Investment Advisory Services 3,060 Management and Administrative—Investor Shares 703 Management and Administrative—ETF Shares 15,555 Management and Administrative—ETF Shares 22,525 Management and Administrative—Institutional Shares 22,525 Management and Administrative—Institutional Shares 22,525 Management and Administrative—Institutional Shares 2,525 Marketing and Distribution—Intestor Shares 2,178 Marketing and Distribution—Intestor Shares 2,178 Marketing and Distribution—Institutional Shares 2,378 Marketing and Distribution—Institutional Shares 3,378 Marketing and Distribution—Institutional Shares 449 Custodian Fees 191 Adudting Fees 3,378 Shareholders' Reports—ETF Shares 1,389 Shareholders' Reports—ETF Shares 1,389 Shareholders' Reports—ETF Shares 3,189 Shareholders' Reports—ETF Sha | Investment Income | |
| Interest ² 35,149 Securities Lending—Net 23,785 Total Income 2,445,788 Expenses The Vanguard Group—Note B Investment Advisory Services 3,060 Management and Administrative—Investor Shares 703 Management and Administrative—ETF Shares 15,555 Management and Administrative—Institutional Shares 22,525 Management and Administrative—Institutional Shares 2,525 Management and Administrative—Institutional Shares 2,525 Management and Administrative—Institutional Shares 2,525 Marketing and Distribution—Investor Shares 2,173 Marketing and Distribution—Investor Shares 2,198 Marketing and Distribution—Investor Shares 2,387 Marketing and Distribution—Institutional Shares 2,387 Marketing and Distribution—Institutional Shares 2,387 Marketing and Distribution—Institutional Shares 2,387 Marketing and Distribution—Institutional Shares 449 Custodian Fees 1191 Auditing Fees 37 Shareholders' Reports—Investor Shares 11,389 Shareholders' Reports—Investor Shares 11,389 Shareholders' Reports—Investor Shares 11,389 Shareholders' Reports—Investor Shares 169 Trustees' Fees and Expenses 169 Trustees' Fees and Expenses 169 Shareholders' Reports—Institutional Shares 169 Shareholders' Reports—Institutional Shares 2,378 Investment Income 2,384,139 Realized Nut Gain (Loss) Investment Income 2,384,139 Realized Nut Gain (Loss) 624,265 Change in Unrealized Appreciation (Depreciation) Investment Securities ² 18,569,151 Futures Contracts 24,275 Stareholders' Reports—Institutional Shares 2,378 Change in Unrealized Appreciation (Depreciation) 18,670,292 | | |
| Securities Lending—Net 23,785 Total Income 2,445,768 Expenses 1 The Vanguard Group—Note B 1 Investment Advisory Services 3,060 Management and Administrative—Investor Shares 703 Management and Administrative—Investor Shares 703 Management and Administrative—Institutional Shares 22,525 Management and Administrative—Institutional Shares 6,976 Management and Administrative—Institutional Plus Shares 3,753 Marketing and Distribution—Investor Shares 21 Marketing and Distribution—Institutional Shares 2,387 Marketing and Distribution—Institutional Shares 2,387 Marketing and Distribution—Institutional Shares 2,387 Marketing and Distribution—Institutional Shares 667 Marketing and Distribution—Institutional Shares 191 Additing Fees 191 Additing Fees 193 Shareholders' Reports—Instributional Shares 578 Shareholders' Reports—Institutional Plus Shares 169 Shareholders' Reports—Institutional Plus Shares 191 Additing Fees 23 Total Expenses 61,617 Expenses 61,627 Expenses 61,617 Expenses 61,617< | | 2,386,824 |
| Total Income 2,445,758 Expenses Investment Advisory Services 3,060 Management and Administrative—Investor Shares 703 Management and Administrative—ETF Shares 15,555 Management and Administrative—Investor Shares 22,525 Management and Administrative—Institutional Shares 6,976 Management and Administrative—Institutional Shares 3,753 Marketing and Distribution—Investor Shares 21 Marketing and Distribution—Investor Shares 2,387 Marketing and Distribution—Institutional Plus Shares 2,387 Marketing and Distribution—Institutional Shares 37 Shareholders' Reports—Investor Shares 1 Shareholders' Reports—Institutional Shares 1 Shareholders' Reports—Institutional Shares 578 Shareholders' Reports—Institutional Shares 169 Shareholders' Reports—Institutional Shares 169 Shareholders' Reports—Institutional Shares 23 Total Expenses 61,627 <td>Interest²</td> <td>35,149</td> | Interest ² | 35,149 |
| Expenses The Vanguard Group—Note B Investment Advisory Services 3,060 Management and Administrative—Investor Shares 703 Management and Administrative—Institutional Shares 22,525 Management and Administrative—Admiral Shares 22,525 Management and Administrative—Institutional Shares 6,976 Management and Administrative—Institutional Shares 6,976 Marketing and Distribution—Investor Shares 21 Marketing and Distribution—Investor Shares 2,187 Marketing and Distribution—Institutional Shares 2,387 Marketing and Distribution—Institutional Shares 667 Marketing and Distribution—Institutional Plus Shares 449 Custodian Fees 191 Auditing Fees 37 Shareholders' Reports—Instructional Plus Shares 167 Marketing and Distribution—Institutional Plus Shares 178 Shareholders' Reports—Institutional Shares 18 Shareholders' Reports—Institutional Shares 178 Shareholders' Reports—Institutional Shares 18 Shareholders' Reports—Institutional Shares 100 Trustees' Fees and Expenses 61,6127 <t< td=""><td></td><td>23,785</td></t<> | | 23,785 |
| The Vanguard Group—Note B Investment Advisory Services 3,060 Investment and Administrative—Investor Shares 703 Management and Administrative—Investor Shares 703 Management and Administrative—Admiral Shares 22,525 Management and Administrative—Admiral Shares 22,525 Management and Administrative—Institutional Shares 24,525 Management and Administrative—Institutional Plus Shares 2,976 Marketing and Distribution—Investor Shares 2,977 Marketing and Distribution—Institutional Plus Shares 2,977 Marketing and Distribution—Institutional Shares 2,977 Marketing and Distribution—Institutional Shares 2,978 Marketing and Distribution—Institutional Plus Shares 2,978 Marketing and Distribution—Institutional Shares 2,978 Marketing and Distribution—Institutional Shares 2,978 Marketing and Distribution—Institutional Shares 3,753 Marketing and Distribution—Institutional Shares 3,753 Marketing and Distribution—Institutional Plus Shares 3,753 Marketing and Distribution—Institutional Plus Shares 3,753 Marketing and Distribution—Institutional Shares 3,753 Marketing and Distribution—Institutional Plus Shares 3,753 Marketing and Distribution—Institutional Plus Shares 3,753 1,389 Shareholders' Reports—Admiral Shares 3,753 Shareholders' Reports—Institutional Shares 3,753 1,389 Shareholders' Reports—Institutional Plus Shares 3,753 Nate Reports—Institutional Plus Shares 3,753 1,389 Naterholders' Reports—Institutional Plus Shares 3,753 3,75 3,75 3,75 3,75 3,75 3,75 3,7 | Total Income | 2,445,758 |
| Investment Advisory Services 3,060 Management and Administrative—Investor Shares 703 Management and Administrative—ITF Shares 15,555 Management and Administrative—Institutional Shares 22,525 Management and Administrative—Institutional Shares 22,525 Management and Administrative—Institutional Shares 3,753 Marketing and Distribution—Investor Shares 21 Marketing and Distribution—Investor Shares 2,978 Marketing and Distribution—Institutional Shares 2,657 Marketing and Distribution—Institutional Shares 657 Marketing and Distribution—Institutional Plus Shares 449 Custodian Fees 191 Auditing Fees 37 Shareholders' Reports—Investor Shares 1 Shareholders' Reports—Investor Shares 1 Shareholders' Reports—Admiral Shares 578 Shareholders' Reports—Admiral Shares 578 Shareholders' Reports—Admiral Shares 1090 Shareholders' Reports—Admiral Shares 1090 Shareholders' Reports—Admiral Shares 23 Total Expenses 23 Other Expenses 61,617 Expenses Pa | - | |
| Management and Administrative—Investor Shares 703 Management and Administrative—Admiral Shares 15,555 Management and Administrative—Admiral Shares 22,525 Management and Administrative—Institutional Shares 6,976 Management and Administrative—Institutional Shares 3,753 Marketing and Distribution—Investor Shares 21 Marketing and Distribution—Investor Shares 21 Marketing and Distribution—Institutional Shares 2,387 Marketing and Distribution—Institutional Shares 2,387 Marketing and Distribution—Institutional Shares 657 Marketing and Distribution—Institutional Shares 449 Custodian Fees 191 Additing Fees 191 Auditing Fees 193 Shareholders' Reports—Investor Shares 1 Shareholders' Reports—Institutional Shares 578 Shareholders' Reports—Institutional Plus Shares 90 Trustees' Fees and Expenses 90 Tustee' Fees and Expenses 61,627 Expenses Paid Indirectly (Ø) Net Expenses 61,619 Net Investment Income 2,384,139 Realized Net Gain (Loss) <td>· · ·</td> <td></td> | · · · | |
| Management and Administrative—ETF Shares 15,555 Management and Administrative—Admiral Shares 22,525 Management and Administrative—Institutional Shares 6,976 Management and Administrative—Institutional Shares 3,753 Marketing and Distribution—Investor Shares 21 Marketing and Distribution—Investor Shares 2,978 Marketing and Distribution—Institutional Shares 2,978 Marketing and Distribution—Institutional Shares 2,387 Marketing and Distribution—Institutional Shares 657 Marketing and Distribution—Institutional Plus Shares 449 Custodian Fees 191 Auditing Fees 191 Auditing Fees 1 Shareholders' Reports—Investor Shares 1 Shareholders' Reports—Institutional Shares 578 Shareholders' Reports—Institutional Shares 169 Shareholders' Reports—Institutional Pl | | · · · · · · · · · · · · · · · · · · · |
| Management and Administrative—Admiral Shares 22,525 Management and Administrative—Institutional Shares 6,976 Management and Administrative—Institutional Plus Shares 3,753 Marketing and Distribution—Investor Shares 21 Marketing and Distribution—ETF Shares 2,978 Marketing and Distribution—Institutional Shares 2,978 Marketing and Distribution—Institutional Shares 657 Marketing and Distribution—Institutional Shares 657 Marketing and Distribution—Institutional Plus Shares 449 Custodian Fees 191 Auditing Fees 37 Shareholders' Reports—Investor Shares 1 Shareholders' Reports—Investor Shares 169 Shareholders' Reports—Institutional Plus Shares 578 Shareholders' Reports—Institutional Plus Shares 23 Total Expenses 61,627 Expenses 61,627 Expenses 61,627 Expenses 61,627 Expenses Paid Indirectly (8) Net Investment Income 2,384,139 Realized Net Gain (Loss) 624,666 Futures Contracts 40,311 Sw | | 703 |
| Management and Administrative—Institutional Shares6,976Management and Administrative—Institutional Plus Shares3,753Marketing and Distribution—Investor Shares211Marketing and Distribution—ETF Shares2,978Marketing and Distribution—Admiral Shares2,387Marketing and Distribution—Institutional Shares657Marketing and Distribution—Institutional Plus Shares649Custodian Fees191Auditing Fees37Shareholders' Reports—Investor Shares1Shareholders' Reports—Investor Shares1,389Shareholders' Reports—CTF Shares1,389Shareholders' Reports—Admiral Shares578Shareholders' Reports—Institutional Shares900Tustees' Fees and Expenses85Other Expenses23Total Expenses61,627Expenses Pial Indirectly(8)Net Expenses61,627Expenses2,384,139Realized Net Gain (Loss)624,659Investment Iscourities Sold ^{2,3} 560,466Futures Contracts20,381Swap Contracts23,382Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,670,292Investment Securities ² 18,589,151Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | | 15,555 |
| Management and Administrative—Institutional Plus Shares3,753Marketing and Distribution—Investor Shares21Marketing and Distribution—ETF Shares2,978Marketing and Distribution—Admiral Shares2,387Marketing and Distribution—Institutional Shares657Marketing and Distribution—Institutional Plus Shares649Custodian Fees191Auditing Fees37Shareholders' Reports—Investor Shares1Shareholders' Reports—Investor Shares1Shareholders' Reports—Institutional Shares578Shareholders' Reports—Institutional Shares578Shareholders' Reports—Institutional Shares90Trustees' Fees and Expenses85Other Expenses61,627Expenses Paid Indirectly(8)Net Expenses61,619Net Expenses61,619Net Expenses61,619Net Investment Income2,384,139Realized Net Gain (Loss)624,659Realized Net Gain (Loss)624,659Realized Net Gain (Loss)624,659Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,670,292Investment Securities ² 18,589,151Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Management and Administrative—Admiral Shares | 22,525 |
| Marketing and Distribution—Investor Shares21Marketing and Distribution—ETF Shares2,978Marketing and Distribution—Admiral Shares2,387Marketing and Distribution—Institutional Shares657Marketing and Distribution—Institutional Shares657Marketing and Distribution—Institutional Plus Shares449Custodian Fees191Auditing Fees37Shareholders' Reports—Investor Shares1Shareholders' Reports—Investor Shares1Shareholders' Reports—Institutional Shares578Shareholders' Reports—Institutional Shares169Shareholders' Reports—Institutional Shares90Trustees' Fees and Expenses61Other Expenses61Other Expenses61Other Expenses61Net Expenses61Reports—Cortacts40,311Swap Contracts23,882Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,670,292Investment Securities ² 18,589,151Futures Contracts24,275Swap Contracts24,275 | | 6,976 |
| Marketing and Distribution—ETF Shares2,978Marketing and Distribution—Admiral Shares2,387Marketing and Distribution—Institutional Shares657Marketing and Distribution—Institutional Plus Shares449Custodian Fees191Auditing Fees37Shareholders' Reports—Investor Shares1Shareholders' Reports—ETF Shares1,389Shareholders' Reports—Admiral Shares578Shareholders' Reports—Institutional Shares169Shareholders' Reports—Institutional Plus Shares90Tustees' Fees and Expenses85Other Expenses23Total Expenses61,627Expenses Paid Indirectly(8)Net Expenses61,619Net Investment Income2,384,139Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,670,292Investment Securities24,275Swap Contracts24,275 | Management and Administrative—Institutional Plus Shares | 3,753 |
| Marketing and Distribution—Admiral Shares2,387Marketing and Distribution—Institutional Shares657Marketing and Distribution—Institutional Plus Shares449Custodian Fees191Auditing Fees37Shareholders' Reports—Investor Shares1Shareholders' Reports—ETF Shares1,389Shareholders' Reports—Admiral Shares578Shareholders' Reports—Institutional Shares169Shareholders' Reports—Institutional Shares90Trustees' Fees and Expenses23Other Expenses23Total Expenses61,627Expenses Paid Indirectly(8)Net Investment Income2,384,139Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,670,292Investment Securities24,275Swap Contracts24,275Swap Contracts24,275 | Marketing and Distribution—Investor Shares | 21 |
| Marketing and Distribution—Institutional Shares657Marketing and Distribution—Institutional Plus Shares449Custodian Fees191Auditing Fees37Shareholders' Reports—Investor Shares1Shareholders' Reports—ETF Shares1,389Shareholders' Reports—Admiral Shares578Shareholders' Reports—Institutional Shares578Shareholders' Reports—Institutional Shares169Shareholders' Reports—Institutional Plus Shares90Trustees' Fees and Expenses23Other Expenses23Total Expenses61,627Expenses Paid Indirectly(8)Net Expenses61,619Net Investment Income2,384,139Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,570,292Investment Securities24,275Swap Contracts24,275Swap Contracts26,6866Change in Unrealized Appreciation (Depreciation)18,670,292 | Marketing and Distribution—ETF Shares | 2,978 |
| Marketing and Distribution—Institutional Plus Shares449Custodian Fees191Auditing Fees37Shareholders' Reports—Investor Shares1Shareholders' Reports—ETF Shares1,389Shareholders' Reports—Admiral Shares578Shareholders' Reports—Institutional Shares578Shareholders' Reports—Institutional Shares169Shareholders' Reports—Institutional Plus Shares90Trustees' Fees and Expenses85Other Expenses23Total Expenses61,627Expenses Paid Indirectly(8)Net Expenses61,619Net Investment Income2,384,139Realized Net Gain (Loss)10Investment Securities Sold ^{2,3} 560,466Futures Contracts40,311Swap Contracts23,882Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,589,151Futures Contracts24,275Swap Contracts24,275Swap Contracts24,275Swap Contracts24,275Swap Contracts24,275Swap Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Marketing and Distribution—Admiral Shares | 2,387 |
| Custodian Fees191Auditing Fees37Shareholders' Reports—Investor Shares1Shareholders' Reports—ETF Shares1,389Shareholders' Reports—Admiral Shares578Shareholders' Reports—Institutional Shares169Shareholders' Reports—Institutional Plus Shares90Trustees' Fees and Expenses85Other Expenses23Total Expenses61,627Expenses Paid Indirectly(8)Net Expenses61,619Net Investment Income2,384,139Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,589,151Futures Contracts24,275Swap Contracts24,275Swap Contracts24,275Swap Contracts24,275Swap Contracts24,275Swap Contracts24,275Swap Contracts24,275Swap Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Marketing and Distribution—Institutional Shares | 657 |
| Auditing Fees37Auditing Fees1Shareholders' Reports—Investor Shares1,389Shareholders' Reports—ETF Shares1,389Shareholders' Reports—Admiral Shares578Shareholders' Reports—Institutional Shares169Shareholders' Reports—Institutional Plus Shares90Trustees' Fees and Expenses85Other Expenses23Total Expenses61,627Expenses Paid Indirectly(8)Net Expenses61,619Net Investment Income2,384,139Realized Net Gain (Loss)60,466Futures Contracts40,311Swap Contracts23,882Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,589,151Investment Securities ² 18,589,151Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Marketing and Distribution—Institutional Plus Shares | 449 |
| Shareholders' Reports—Investor Shares1Shareholders' Reports—ETF Shares1,389Shareholders' Reports—Admiral Shares578Shareholders' Reports—Institutional Shares169Shareholders' Reports—Institutional Plus Shares90Trustees' Fees and Expenses85Other Expenses23Total Expenses61,627Expenses Paid Indirectly(8)Net Expenses61,619Net Investment Income2,384,139Realized Net Gain (Loss)60,466Futures Contracts40,311Swap Contracts23,882Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,589,151Futures Contracts24,275Swap Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Custodian Fees | 191 |
| Shareholders' Reports—ETF Shares1,389Shareholders' Reports—Admiral Shares578Shareholders' Reports—Institutional Shares169Shareholders' Reports—Institutional Plus Shares90Trustees' Fees and Expenses85Other Expenses23Total Expenses61,627Expenses Paid Indirectly(8)Net Expenses61,619Net Investment Income2,384,139Realized Net Gain (Loss)100Investment Securities Sold ^{2,3} 560,466Futures Contracts23,882Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,589,151Futures Contracts24,275Swap Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Auditing Fees | 37 |
| Shareholders' Reports—Admiral Shares578Shareholders' Reports—Institutional Shares169Shareholders' Reports—Institutional Plus Shares90Trustees' Fees and Expenses85Other Expenses23Total Expenses61,627Expenses Paid Indirectly(8)Net Expenses61,619Net Investment Income2,384,139Realized Net Gain (Loss)560,466Futures Contracts40,311Swap Contracts23,882Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,589,151Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Shareholders' Reports—Investor Shares | 1 |
| Shareholders' Reports—Institutional Shares169Shareholders' Reports—Institutional Plus Shares90Trustees' Fees and Expenses85Other Expenses23Total Expenses61,627Expenses Paid Indirectly(8)Net Expenses61,619Net Investment Income2,384,139Realized Net Gain (Loss)560,466Futures Contracts40,311Swap Contracts23,882Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,589,151Futures Contracts24,275Swap Contracts560,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Shareholders' Reports—ETF Shares | 1,389 |
| Shareholders' Reports—Institutional Plus Shares90Trustees' Fees and Expenses85Other Expenses23Total Expenses61,627Expenses Paid Indirectly(8)Net Expenses61,619Net Investment Income2,384,139Realized Net Gain (Loss)1Investment Scourities Sold ^{2,3} 560,466Futures Contracts40,311Swap Contracts23,882Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,589,151Investment Securities ² 18,589,151Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Shareholders' Reports—Admiral Shares | 578 |
| Trustees' Fees and Expenses85Other Expenses23Total Expenses61,627Expenses Paid Indirectly(8)Net Expenses61,619Net Investment Income2,384,139Realized Net Gain (Loss)1Investment Securities Sold ^{2,3} 560,466Futures Contracts40,311Swap Contracts23,882Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,589,151Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Shareholders' Reports—Institutional Shares | 169 |
| Other Expenses23Total Expenses61,627Expenses Paid Indirectly(8)Net Expenses61,619Net Investment Income2,384,139Realized Net Gain (Loss)1Investment Securities Sold ^{2,3} 560,466Futures Contracts40,311Swap Contracts23,882Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,589,151Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Shareholders' Reports—Institutional Plus Shares | 90 |
| Total Expenses61,627Expenses Paid Indirectly(8)Net Expenses61,619Net Investment Income2,384,139Realized Net Gain (Loss)1Investment Securities Sold ^{2,3} 560,466Futures Contracts40,311Swap Contracts23,882Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,589,151Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Trustees' Fees and Expenses | 85 |
| Expenses Paid Indirectly(8)Net Expenses61,619Net Investment Income2,384,139Realized Net Gain (Loss)1Investment Securities Sold ^{2,3} 560,466Futures Contracts40,311Swap Contracts23,882Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,589,151Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Other Expenses | 23 |
| Net Expenses61,619Net Investment Income2,384,139Realized Net Gain (Loss)Investment Securities Sold ^{2,3} 560,466Futures Contracts40,311Swap Contracts23,882Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,589,151Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Total Expenses | 61,627 |
| Net Investment Income2,384,139Realized Net Gain (Loss)Investment Securities Sold ^{2,3} Envestment Securities Sold ^{2,3} Futures Contracts40,311Swap Contracts23,882Realized Net Gain (Loss)Change in Unrealized Appreciation (Depreciation)Investment Securities ² Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Expenses Paid Indirectly | (8) |
| Realized Net Gain (Loss)Investment Securities Sold ^{2,3} 560,466Futures Contracts40,311Swap Contracts23,882Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,589,151Investment Securities ² 18,589,151Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Net Expenses | 61,619 |
| Investment Securities Sold2.3560,466Futures Contracts40,311Swap Contracts23,882Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,589,151Investment Securities218,589,151Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Net Investment Income | 2,384,139 |
| Futures Contracts40,311Swap Contracts23,882Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)18,589,151Investment Securities²18,589,151Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Realized Net Gain (Loss) | |
| Swap Contracts 23,882 Realized Net Gain (Loss) 624,659 Change in Unrealized Appreciation (Depreciation) 18,589,151 Investment Securities ² 18,589,151 Futures Contracts 24,275 Swap Contracts 56,866 Change in Unrealized Appreciation (Depreciation) 18,670,292 | Investment Securities Sold ^{2,3} | 560,466 |
| Realized Net Gain (Loss)624,659Change in Unrealized Appreciation (Depreciation)Investment Securities²18,589,151Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Futures Contracts | 40,311 |
| Change in Unrealized Appreciation (Depreciation)Investment Securities218,589,151Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Swap Contracts | 23,882 |
| Investment Securities218,589,151Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Realized Net Gain (Loss) | 624,659 |
| Futures Contracts24,275Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Change in Unrealized Appreciation (Depreciation) | |
| Swap Contracts56,866Change in Unrealized Appreciation (Depreciation)18,670,292 | Investment Securities ² | 18,589,151 |
| Change in Unrealized Appreciation (Depreciation) 18,670,292 | Futures Contracts | 24,275 |
| | Swap Contracts | 56,866 |
| Net Increase (Decrease) in Net Assets Resulting from Operations 21,679,090 | Change in Unrealized Appreciation (Depreciation) | 18,670,292 |
| | Net Increase (Decrease) in Net Assets Resulting from Operations | 21,679,090 |

1 Dividends are net of foreign withholding taxes of \$935,000.

2 Interest income, realized net gain (loss), capital gain distributions received, and change in unrealized appreciation (depreciation) from an affiliated company of the fund were \$33,917,000, \$178,000, \$6,000, and (\$264,000), respectively. Purchases and sales are for temporary cash investment purposes.

3 Includes \$6,499,705,000 of net gain (loss) resulting from in-kind redemptions.

Statement of Changes in Net Assets

| | Year Ende | d December 31, |
|---|-----------------|-----------------|
| | 2023 (\$000) | 2022 (\$000) |
| Increase (Decrease) in Net Assets | | |
| Operations | | |
| Net Investment Income | 2,384,139 | 2,185,524 |
| Realized Net Gain (Loss) | 624,659 | 2,853,546 |
| Change in Unrealized Appreciation (Depreciation) | 18,670,292 | (36,662,503) |
| Net Increase (Decrease) in Net Assets Resulting from Operations | 21,679,090 | (31,623,433) |
| Distributions | | |
| Investor Shares | (6,392) | (7,365) |
| ETF Shares | (884,374) | (779,343) |
| Admiral Shares | (872,711) | (818,365) |
| Institutional Shares | (338,375) | (331,945) |
| Institutional Plus Shares | (256,449) | (235,283) |
| Total Distributions | (2,358,301) | (2,172,301) |
| Capital Share Transactions | | |
| Investor Shares | (116,598) | (126,905) |
| ETF Shares | 2,252,186 | 3,900,034 |
| Admiral Shares | (1,165,068) | (830,405) |
| Institutional Shares | (1,138,787) | (1,758,614) |
| Institutional Plus Shares | (455,704) | 710,097 |
| Net Increase (Decrease) from Capital Share Transactions | (623,971) | 1,894,207 |
| Total Increase (Decrease) | 18,696,818 | (31,901,527) |
| Net Assets | | |
| Beginning of Period | 136,764,781 | 168,666,308 |
| End of Period | 155,461,599 | 136,764,781 |

Investor Shares

| For a Share Outstanding | | Ended Dec | ecember 31, | | |
|---|--------------------|--------------------|-------------|---------|---------|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 |
| Net Asset Value, Beginning of Period | \$55.66 | \$69.54 | \$56.52 | \$48.64 | \$37.71 |
| Investment Operations | | | | | |
| Net Investment Income ¹ | .887 | .807 | .652 | .698 | .577 |
| Net Realized and Unrealized Gain (Loss) on Investments | 7.851 | (13.875) | 13.065 | 7.937 | 11.018 |
| Total from Investment Operations | 8.738 | (13.068) | 13.717 | 8.635 | 11.595 |
| Distributions | | | | | |
| Dividends from Net Investment Income | (.888) | (.812) | (.697) | (.755) | (.665) |
| Distributions from Realized Capital Gains | _ | _ | _ | _ | _ |
| Total Distributions | (.888) | (.812) | (.697) | (.755) | (.665) |
| Net Asset Value, End of Period | \$63.51 | \$55.66 | \$69.54 | \$56.52 | \$48.64 |
| Total Return ² | 15.84% | -18.80% | 24.36% | 18.10% | 30.86% |
| Ratios/Supplemental Data | | | | | |
| Net Assets, End of Period (Millions) | \$416 | \$476 | \$740 | \$834 | \$877 |
| Ratio of Total Expenses to Average Net Assets | 0.17% ³ | 0.17% ³ | 0.17% | 0.17% | 0.17% |
| Ratio of Net Investment Income to Average Net Assets | 1.52% | 1.36% | 1.02% | 1.49% | 1.31% |
| Portfolio Turnover Rate ⁴ | 13% | 12% | 16% | 26% | 15% |

1 Calculated based on average shares outstanding.

2 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.

3 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.17%.

4 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.

ETF Shares

| For a Share Outstanding | Year Ended December 31, | | | | cember 31, |
|---|-------------------------|--------------------|----------|----------|------------|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 |
| Net Asset Value, Beginning of Period | \$203.84 | \$254.69 | \$207.00 | \$178.14 | \$138.08 |
| Investment Operations | | | | | |
| Net Investment Income ¹ | 3.589 | 3.302 | 2.741 | 2.772 | 2.663 |
| Net Realized and Unrealized Gain (Loss) on Investments | 28.686 | (50.886) | 47.811 | 29.084 | 40.043 |
| Total from Investment Operations | 32.275 | (47.584) | 50.552 | 31.856 | 42.706 |
| Distributions | | | | | |
| Dividends from Net Investment Income | (3.535) | (3.266) | (2.862) | (2.996) | (2.646) |
| Distributions from Realized Capital Gains | — | _ | — | — | — |
| Total Distributions | (3.535) | (3.266) | (2.862) | (2.996) | (2.646) |
| Net Asset Value, End of Period | \$232.58 | \$203.84 | \$254.69 | \$207.00 | \$178.14 |
| Total Return | 15.99% | -18.68% | 24.52% | 18.22% | 31.04% |
| Ratios/Supplemental Data | | | | | |
| Net Assets, End of Period (Millions) | \$59,376 | \$49,861 | \$57,774 | \$41,587 | \$29,014 |
| Ratio of Total Expenses to Average Net Assets | 0.04% ² | 0.04% ² | 0.04% | 0.04% | 0.04% |
| Ratio of Net Investment Income to Average Net Assets | 1.68% | 1.53% | 1.16% | 1.61% | 1.62% |
| Portfolio Turnover Rate ³ | 13% | 12% | 16% | 26% | 15% |

1 Calculated based on average shares outstanding.

2 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.04%.

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.

Admiral Shares

| For a Share Outstanding | | | Y | ear Ended De | cember 31, |
|---|--------------------|--------------------|----------|--------------|------------|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 |
| Net Asset Value, Beginning of Period | \$252.47 | \$315.46 | \$256.40 | \$220.66 | \$171.04 |
| Investment Operations | | | | | |
| Net Investment Income ¹ | 4.381 | 4.028 | 3.333 | 3.418 | 3.296 |
| Net Realized and Unrealized Gain (Loss) on Investments | 35.571 | (63.000) | 59.242 | 36.010 | 49.578 |
| Total from Investment Operations | 39.952 | (58.972) | 62.575 | 39.428 | 52.874 |
| Distributions | | | | | |
| Dividends from Net Investment Income | (4.352) | (4.018) | (3.515) | (3.688) | (3.254) |
| Distributions from Realized Capital Gains | _ | _ | _ | _ | _ |
| Total Distributions | (4.352) | (4.018) | (3.515) | (3.688) | (3.254) |
| Net Asset Value, End of Period | \$288.07 | \$252.47 | \$315.46 | \$256.40 | \$220.66 |
| Total Return ² | 15.98% | -18.71% | 24.51% | 18.24% | 31.03% |
| Ratios/Supplemental Data | | | | | |
| Net Assets, End of Period (Millions) | \$57,330 | \$51,352 | \$65,118 | \$53,301 | \$47,640 |
| Ratio of Total Expenses to Average Net Assets | 0.05% ³ | 0.05% ³ | 0.05% | 0.05% | 0.05% |
| Ratio of Net Investment Income to Average Net Assets | 1.65% | 1.51% | 1.14% | 1.61% | 1.62% |
| Portfolio Turnover Rate ⁴ | 13% | 12% | 16% | 26% | 15% |

1 Calculated based on average shares outstanding.

2 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.

3 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.05%.

4 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.

Institutional Shares

| For a Share Outstanding | Year Ended December | | | ember 31, | |
|---|---------------------|--------------------|----------|-----------|----------|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 |
| Net Asset Value, Beginning of Period | \$55.77 | \$69.69 | \$56.64 | \$48.74 | \$37.78 |
| Investment Operations | | | | | |
| Net Investment Income ¹ | .971 | .893 | .743 | .759 | .727 |
| Net Realized and Unrealized Gain (Loss) on Investments | 7.866 | (13.919) | 13.090 | 7.961 | 10.957 |
| Total from Investment Operations | 8.837 | (13.026) | 13.833 | 8.720 | 11.684 |
| Distributions | | | | | |
| Dividends from Net Investment Income | (.967) | (.894) | (.783) | (.820) | (.724) |
| Distributions from Realized Capital Gains | _ | _ | _ | _ | _ |
| Total Distributions | (.967) | (.894) | (.783) | (.820) | (.724) |
| Net Asset Value, End of Period | \$63.64 | \$55.77 | \$69.69 | \$56.64 | \$48.74 |
| Total Return | 16.00% | -18.70% | 24.53% | 18.26% | 31.04% |
| Ratios/Supplemental Data | | | | | |
| Net Assets, End of Period (Millions) | \$21,867 | \$20,231 | \$27,312 | \$22,291 | \$20,425 |
| Ratio of Total Expenses to Average Net Assets | 0.04% ² | 0.04% ² | 0.04% | 0.04% | 0.04% |
| Ratio of Net Investment Income to Average Net Assets | 1.66% | 1.51% | 1.15% | 1.62% | 1.62% |
| Portfolio Turnover Rate ³ | 13% | 12% | 16% | 26% | 15% |

1 Calculated based on average shares outstanding.

2 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.04%.

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.

Institutional Plus Shares

| For a Share Outstanding | Year Ended December 3 | | | | cember 31, |
|---|-----------------------|--------------------|----------|----------|------------|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 |
| Net Asset Value, Beginning of Period | \$275.06 | \$343.68 | \$279.34 | \$240.40 | \$186.34 |
| Investment Operations | | | | | |
| Net Investment Income ¹ | 4.831 | 4.458 | 3.688 | 3.774 | 3.598 |
| Net Realized and Unrealized Gain (Loss) on Investments | 38.747 | (68.641) | 64.544 | 39.230 | 54.052 |
| Total from Investment Operations | 43.578 | (64.183) | 68.232 | 43.004 | 57.650 |
| Distributions | | | | | |
| Dividends from Net Investment Income | (4.798) | (4.437) | (3.892) | (4.064) | (3.590) |
| Distributions from Realized Capital Gains | _ | _ | _ | _ | _ |
| Total Distributions | (4.798) | (4.437) | (3.892) | (4.064) | (3.590) |
| Net Asset Value, End of Period | \$313.84 | \$275.06 | \$343.68 | \$279.34 | \$240.40 |
| Total Return | 16.00% | -18.69% | 24.53% | 18.27% | 31.06% |
| Ratios/Supplemental Data | | | | | |
| Net Assets, End of Period (Millions) | \$16,472 | \$14,846 | \$17,723 | \$14,937 | \$13,612 |
| Ratio of Total Expenses to Average Net Assets | 0.03% ² | 0.03% ² | 0.03% | 0.03% | 0.03% |
| Ratio of Net Investment Income to Average Net Assets | 1.67% | 1.53% | 1.16% | 1.63% | 1.62% |
| Portfolio Turnover Rate ³ | 13% | 12% | 16% | 26% | 15% |

1 Calculated based on average shares outstanding.

2 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.03%.

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.

Notes to Financial Statements

Vanguard Mid-Cap Index Fund is registered under the Investment Company Act of 1940 as an open-end investment company, or mutual fund. The fund offers five classes of shares: Investor Shares, ETF Shares, Admiral Shares, Institutional Shares, and Institutional Plus Shares. Each of the share classes has different eligibility and minimum purchase requirements, and is designed for different types of investors. ETF Shares are listed for trading on NYSE Arca; they can be purchased and sold through a broker.

In March 2023, the board of trustees approved a plan of reorganization whereby the fund will reorganize from Vanguard Index Funds (such fund the "Predecessor Fund") to a newly created shell series under Vanguard Valley Forge Funds. The purpose of the reorganization is to improve administrative efficiencies for all funds within the Vanguard complex by spreading the filing and reporting requirements across different legal entities. After the reorganization the surviving fund will be identical in its management to the Predecessor Fund and its investment objective, strategies, and policies will remain unchanged. The reorganization is anticipated to qualify as a tax-free reorganization under the Internal Revenue Code of 1986, as amended.

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 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 valuation designee to represent fair value and subject to oversight by the board of trustees. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value. Other 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, 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 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 for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities 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 gains (losses) on futures contracts.

During the year ended December 31, 2023, 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 the notional amounts 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 or indexes 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 generally invests an amount approximating the notional amount of the swap in high-quality temporary cash investments.

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's 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 Schedule of Investments. 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.

The notional amounts of swap contracts are not recorded in the Statement of Assets and Liabilities. 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 Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until periodic payments are made or the termination of the swap, at which time realized gain (loss) is recorded.

During the year ended December 31, 2023, 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 virtually all of its taxable income. The fund's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return. Management has analyzed the fund's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the fund's financial statements.

5. Distributions: Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes.

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 before the opening of the market 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 Assets and Liabilities for the return of the collateral, during the period the securities are on loan. Collateral investments in Vanguard Market Liquidity Fund are subject to market appreciation or depreciation. 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 Facilities and Interfund Lending Program: The fund and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes and are subject to the fund's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility, which 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 either facility bear interest at an agreed-upon spread plus the higher of the federal funds effective rate, the overnight bank funding rate, or the Daily Simple Secured Overnight Financing Rate inclusive of an additional agreed-upon spread. However, borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the fund and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the fund may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the fund's investment objective and investment policies. Interfund loans and borrowings normally extend overnight but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the year ended December 31, 2023, the fund did not utilize the credit facilities or the Interfund Lending Program.

8. Other: Dividend income is recorded on the ex-dividend date. Non-cash dividends included in income, if any, are recorded at the fair value of the securities received. Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. Premiums and discounts on debt securities are amortized and accreted, respectively, to interest income over the lives of the respective securities, except for premiums on certain callable debt securities that are amortized to the earliest call date. 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 and are generally settled twice a month.

Upon the request of Vanguard, the fund may invest up to 0.40% of its net assets as capital in Vanguard. At December 31, 2023, the fund had contributed to Vanguard capital in the amount of \$4,827,000, representing less than 0.01% of the fund's net assets and 1.93% of Vanguard's capital received pursuant to the FSA. The fund's trustees and officers are also directors and employees, respectively, of Vanguard.

C. The fund's custodian bank has agreed to reduce its fees when the fund maintains cash on deposit in the non-interest-bearing custody account. For the year ended December 31, 2023, custodian fee offset arrangements reduced the fund's expenses by \$8,000 (an annual rate of less than 0.01% of average net assets).

D. Various inputs may be used to determine the value of the fund's investments and derivatives. 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). Any investments and derivatives valued with significant unobservable inputs are noted on the Schedule of Investments.

The following table summarizes the market value of the fund's investments and derivatives as of December 31, 2023, based on the inputs used to value them:

| | Level 1 (\$000) | Level 2 (\$000) | Level 3 (\$000) | Total (\$000) |
|----------------------------------|--------------------|--------------------|--------------------|------------------|
| Investments | | | | |
| Assets | | | | |
| Common Stocks | 154,511,384 | — | — | 154,511,384 |
| Temporary Cash Investments | 1,119,284 | _ | _ | 1,119,284 |
| Total | 155,630,668 | _ | _ | 155,630,668 |
| Derivative Financial Instruments | | | | |
| Assets | | | | |
| Futures Contracts ¹ | 7,544 | _ | _ | 7,544 |
| Swap Contracts | _ | 44,191 | _ | 44,191 |
| Total | 7,544 | 44,191 | _ | 51,735 |
| Liabilities | | | | |
| Swap Contracts | _ | 1,185 | _ | 1,185 |

1 Includes cumulative appreciation (depreciation) on futures contracts and centrally cleared swaps, if any, as reported in the Schedule of Investments. Only current day's variation margin is reported within the Statement of Assets and Liabilities.

E. Permanent differences between book-basis and tax-basis components of net assets are reclassified among capital accounts in the financial statements to reflect their tax character. These reclassifications have no effect on net assets or net asset value per share. As of period end, permanent differences primarily attributable to the accounting for applicable in-kind redemptions, passive foreign investment companies, and swap agreements were reclassified between the following accounts:

| | Amount (\$000) |
|-------------------------------------|-------------------|
| Paid-in Capital | 6,500,259 |
| Total Distributable Earnings (Loss) | (6,500,259) |

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement and tax purposes; these differences will reverse at some time in the future. The differences are primarily related to capital loss carryforwards; the deferral of losses from wash sales; the recognition of unrealized gains or losses from certain derivative contracts; and the recognition of unrealized gains from passive foreign investment companies. As of period end, the tax-basis components of total distributable earnings (loss) are detailed in the table as follows:

| | Amount (\$000) |
|-------------------------------|-------------------|
| Undistributed Ordinary Income | 122,056 |
| Undistributed Long-Term Gains | _ |
| Net Unrealized Gains (Losses) | 51,972,233 |
| Capital Loss Carryforwards | (21,193,850) |
| Qualified Late-Year Losses | _ |
| Other Temporary Differences | _ |
| Total | 30,900,439 |

The tax character of distributions paid was as follows:

| | Year Ended [| Year Ended December 31, | | |
|-------------------------|----------------|-------------------------|--|--|
| | 2023 Amount | 2022 Amount | | |
| | (\$000) | (\$000) | | |
| Ordinary Income* | 2,358,301 | 2,172,301 | | |
| Long-Term Capital Gains | — | — | | |
| Total | 2,358,301 | 2,172,301 | | |
| | | | | |

* Includes short-term capital gains, if any.

As of December 31, 2023, gross unrealized appreciation and depreciation for investments and derivatives based on cost for U.S. federal income tax purposes were as follows:

| | Amount (\$000) |
|--|-------------------|
| Tax Cost | 103,658,435 |
| Gross Unrealized Appreciation | 56,003,239 |
| Gross Unrealized Depreciation | (4,031,006) |
| Net Unrealized Appreciation (Depreciation) | 51,972,233 |

F. During the year ended December 31, 2023, the fund purchased \$31,187,364,000 of investment securities and sold \$31,275,203,000 of investment securities, other than temporary cash investments. Purchases and sales include \$13,167,256,000 and \$12,306,420,000, respectively, in connection with in-kind purchases and redemptions of the fund's capital shares.

The fund purchased securities from and sold securities to other Vanguard funds or accounts managed by Vanguard or its affiliates, in accordance with procedures adopted by the board of trustees in compliance with Rule 17a-7 of the Investment Company Act of 1940. For the year ended December 31, 2023, such purchases were \$889,721,000 and sales were \$6,274,059,000, resulting in net realized loss of \$4,198,438,000; these amounts, other than temporary cash investments, are included in the purchases and sales of investment securities noted above.

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

| | Year Ended Decembe | | | | |
|--|--------------------|-----------------|-------------------|-----------------|--|
| | | 2023 | | 2022 | |
| | Amount (\$000) | Shares (000) | Amount (\$000) | Shares (000) | |
| Investor Shares | | | | | |
| Issued | 24,944 | 427 | 38,431 | 646 | |
| Issued in Lieu of Cash Distributions | 6,392 | 109 | 7,365 | 130 | |
| Redeemed | (147,934) | (2,529) | (172,701) | (2,864) | |
| Net Increase (Decrease)—Investor Shares | (116,598) | (1,993) | (126,905) | (2,088) | |
| ETF Shares | | | | | |
| Issued | 14,593,074 | 68,060 | 22,366,377 | 104,145 | |
| Issued in Lieu of Cash Distributions | _ | _ | _ | _ | |
| Redeemed | (12,340,888) | (57,375) | (18,466,343) | (86,375) | |
| Net Increase (Decrease)—ETF Shares | 2,252,186 | 10,685 | 3,900,034 | 17,770 | |
| Admiral Shares | | | | | |
| Issued | 5,182,979 | 19,544 | 6,210,546 | 23,079 | |
| Issued in Lieu of Cash Distributions | 769,218 | 2,888 | 713,328 | 2,783 | |
| Redeemed | (7,117,265) | (26,814) | (7,754,279) | (28,889) | |
| Net Increase (Decrease)—Admiral Shares | (1,165,068) | (4,382) | (830,405) | (3,027) | |
| Institutional Shares | | | | | |
| Issued | 2,518,909 | 43,175 | 3,105,126 | 52,367 | |
| Issued in Lieu of Cash Distributions | 314,097 | 5,340 | 306,818 | 5,408 | |
| Redeemed | (3,971,793) | (67,623) | (5,170,558) | (86,962) | |
| Net Increase (Decrease)—Institutional Shares | (1,138,787) | (19,108) | (1,758,614) | (29,187) | |

| | Year Ended Decembe | | | | |
|---|--------------------|-----------------|-------------------|-----------------|--|
| | | 2023 | | 2022 | |
| | Amount (\$000) | Shares (000) | Amount (\$000) | Shares (000) | |
| Institutional Plus Shares | | | | | |
| Issued | 1,384,915 | 4,823 | 2,083,499 | 7,084 | |
| Issued in Lieu of Cash Distributions | 254,963 | 879 | 233,744 | 837 | |
| Redeemed | (2,095,582) | (7,190) | (1,607,146) | (5,516) | |
| Net Increase (Decrease)—Institutional Plus Shares | (455,704) | (1,488) | 710,097 | 2,405 | |

H. Significant market disruptions, such as those caused by pandemics (e.g., COVID-19 pandemic), natural or environmental disasters, war (e.g., Russia's invasion of Ukraine), acts of terrorism, or other events, can adversely affect local and global markets and normal market operations. Any such disruptions could have an adverse impact on the value of the fund's investments and fund performance.

To the extent the fund's investment portfolio reflects concentration in a particular market, industry, sector, country or asset class, the fund may be adversely affected by the performance of these concentrations and may be subject to increased price volatility and other risks.

The use of derivatives may expose the fund to various risks. Derivatives can be highly volatile, and any initial investment is generally small relative to the notional amount so that transactions may be leveraged in terms of market exposure. A relatively small market movement may have a potentially larger impact on derivatives than on standard securities. Leveraged derivatives positions can, therefore, increase volatility. Additional information regarding the fund's use of derivative(s) and the specific risks associated is described under significant accounting policies.

I. Management has determined that no events or transactions occurred subsequent to December 31, 2023, that would require recognition or disclosure in these financial statements.

Mid-Cap Growth Index Fund

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.

Cumulative Performance: December 31, 2013, Through December 31, 2023 Initial Investment of \$10,000



| | Period | | | |
|---|-------------|---------------|--------------|--|
| _ | One Year | Five Years | Ten Years | Final Value of a \$10,000 Investment |
| Mid-Cap Growth Index Fund Investor Shares | 22.99% | 13.57% | 9.98% | \$25,896 |
| ······ CRSP US Mid Cap Growth Index | 23.20 | 13.75 | 10.17 | 26,341 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 11.40 | 29,422 |

| | One Year | Five Years | Ten Years | Final Value of a \$10,000 Investment |
|---|-------------|---------------|--------------|--|
| Mid-Cap Growth Index Fund ETF Shares Net Asset Value | 23.14% | 13.70% | 10.12% | \$26,213 |
| Mid-Cap Growth Index Fund ETF Shares Market Price | 23.21 | 13.72 | 10.12 | 26,220 |
| CRSP US Mid Cap Growth Index | 23.20 | 13.75 | 10.17 | 26,341 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 11.40 | 29,422 |

| | One Year | Five Years | Ten Years | Final Value of a \$10,000 Investment |
|---|-------------|---------------|--------------|--|
| Mid-Cap Growth Index Fund Admiral Shares | 23.14% | 13.70% | 10.12% | \$26,214 |
| CRSP US Mid Cap Growth Index | 23.20 | 13.75 | 10.17 | 26,341 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 11.40 | 29,422 |

Cumulative Returns of ETF Shares: December 31, 2013, Through December 31, 2023

| | One Year | Five Years | Ten Years |
|--|-------------|---------------|--------------|
| Mid-Cap Growth Index Fund ETF Shares Market Price | 23.21% | 90.16% | 162.20% |
| Mid-Cap Growth Index Fund ETF Shares Net Asset Value | 23.14 | 90.01 | 162.13 |
| CRSP US Mid Cap Growth Index | 23.20 | 90.44 | 163.41 |

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, click on Price, and then scroll down to the Premium/Discount chart. The ETF premium/discount chart there shows the percentage and days on which the ETF Shares' market price was above or below the NAV.
Fund Allocation

As of December 31, 2023

| Basic Materials | 1.7% |
|------------------------|------|
| Consumer Discretionary | 13.1 |
| Consumer Staples | 1.9 |
| Energy | 6.9 |
| Financials | 6.9 |
| Health Care | 11.5 |
| Industrials | 20.2 |
| Real Estate | 7.3 |
| Technology | 24.8 |
| Telecommunications | 3.9 |
| Utilities | 1.8 |
| | |

The table reflects the fund's investments, except for short-term investments and derivatives. Sector categories are based on the Industry Classification Benchmark ("ICB"), except for the "Other" category (if applicable), which includes securities that have not been provided an ICB classification as of the effective reporting period.

The fund may invest in derivatives (such as futures and swap contracts) for various reasons, including, but not limited to, attempting to remain fully invested and tracking its target index as closely as possible.

Financial Statements

Schedule of Investments

As of December 31, 2023

The fund files its complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The fund's Form N-PORT reports are available on the SEC's website at www.sec.gov.

| | | Market | | | Market |
|---------------------------------------|------------------------|-------------------|---|----------------------|--------------------|
| | Shares | Value• (\$000) | | Shares | Value• (\$000) |
| Common Stocks (99.9%) | | | FactSet Research Systems Inc. | 271,261 | 129,405 |
| Basic Materials (1.7%) | | | LPL Financial Holdings Inc. | 539,973 | 122,909 |
| Fastenal Co. | 4,080,398 | 264,287 | Tradeweb Markets Inc. Class A | 819,282 | 74,456 |
| ¹ Albemarle Corp. | 837,911 | 121,062 | * Markel Group Inc. | 44,841 | 63,670 |
| | = | 385,349 | Interactive Brokers Group Inc. Class A Brown & Brown Inc. | 725,997 813,048 | 60,185 57,816 |
| Consumer Discretionary (13.1%) | | , | BIOWIT& BIOWITTIC. | 013,040 | |
| * Copart Inc. | 6,171,406 | 302,399 | | | 1,581,788 |
| * Trade Desk Inc. Class A | 3,186,587 | 229,307 | Health Care (11.5%) | 0 750 000 | 040.004 |
| * Chipotle Mexican Grill Inc. Class A | 97,988 | 224,094 | * Dexcom Inc. | 2,758,999 | 342,364 |
| * Royal Caribbean Cruises Ltd. | 1,555,240 | 201,388 | * IQVIA Holdings Inc. | 1,303,139 | 301,521 |
| * Take-Two Interactive Software Inc. | 1,214,435 | 195,463 | West Pharmaceutical Services Inc. * Veeva Systems Inc. Class A | 528,351 | 186,043 |
| * Aptiv plc | 2,019,665 | 181,204 | ResMed Inc. | 939,306 1,050,320 | 180,835 180,676 |
| * Ulta Beauty Inc. | 351,521 | 172,242 | * Alnylam Pharmaceuticals Inc. | 896,097 | 180,676 |
| Hilton Worldwide Holdings Inc. | 915,568 | 166,716 | * IDEXX Laboratories Inc. | 296,521 | 164,584 |
| Tractor Supply Co. | 771,977 | 165,998 | * Illumina Inc. | 1,133,886 | 157,882 |
| * AutoZone Inc. | 62,958 | 162,785 | * Molina Healthcare Inc. | 416,322 | 150,421 |
| * ROBLOX Corp. Class A | 3,481,809 | 159,188 | * Align Technology Inc. | 519,533 | 142,352 |
| * Expedia Group Inc. | 951,984 | 144,502 | Cooper Cos. Inc. | 353,638 | 133,831 |
| * Live Nation Entertainment Inc. | 1,151,271 | 107,759 | * BioMarin Pharmaceutical Inc. | 1,345,094 | 129,694 |
| LKQ Corp. | 1,910,588 | 91,307 | * Moderna Inc. | 1,225,149 | 121,841 |
| Rollins Inc. | 2,073,823 | 90,564 | * Insulet Corp. | 498,591 | 108,184 |
| * Burlington Stores Inc. | 460,720 | 89,601 | * Incyte Corp. | 1,360,247 | 85,410 |
| Domino's Pizza Inc. | 195,059 | 80,409 | STERIS plc | 352,761 | 77,555 |
| * NVR Inc. | 10,789 | 75,528 | * Bio-Rad Laboratories Inc. Class A | 36,570 | 11,808 |
| Las Vegas Sands Corp. | 1,364,743 | 67,159 | | | |
| Pool Corp. | 131,134 | 52,284 | | | 2,646,523 |
| Warner Music Group Corp. Class A | 888,706 | 31,807 | Industrials (20.2%) | 075.045 | 070 500 |
| * Chewy Inc. Class A | 364,019 | 8,602 | TransDigm Group Inc. | 375,245 | 379,598 |
| *.1 Lucid Group Inc. | 1,632,609 | 6,873 | Cintas Corp. | 618,245 | 372,592 |
| | | 3,007,179 | Old Dominion Freight Line Inc. | 701,229 | 284,229 |
| Consumer Staples (1.9%) | | | AMETEK Inc. | 1,648,156 | 271,764 |
| Church & Dwight Co. Inc. | 1,759,508 | 166,379 | WW Grainger Inc. | 318,991 | 264,345 247,305 |
| Brown-Forman Corp. Class B | 2,215,982 | 126,533 | Verisk Analytics Inc. Class A Quanta Services Inc. | 1,035,355 | |
| McCormick & Co. Inc. (Non-Voting) | 897,253 | 61,390 | Martin Marietta Materials Inc. | 1,037,428 | 223,877 |
| Lamb Weston Holdings Inc. | 517,495 | 55,936 | | 441,347 | 220,192 217,569 |
| Brown-Forman Corp. Class A | 361,122 | 21,519 | Equifax Inc. Vulcan Materials Co. | 879,813 948,804 | 217,509 |
| | | 431,757 | Xylem Inc. | 1,721,414 | 215,366 196,861 |
| Energy (6.9%) | | | * Fair Isaac Corp. | 167,654 | 195,151 |
| Hess Corp. | 1,973,985 | 284,569 | * Mettler-Toledo International Inc. | 154,823 | 187,794 |
| Cheniere Energy Inc. | 1,616,298 | 275,918 | * Teledyne Technologies Inc. | 336,916 | 150,362 |
| Devon Energy Corp. | 4,574,762 | 207,237 | * Waters Corp. | 422,163 | 138,989 |
| Diamondback Energy Inc. | 1,278,145 | 198,215 | * FleetCor Technologies Inc. | 489,791 | 138,420 |
| Coterra Energy Inc. | 5,102,812 | 130,224 | Veralto Corp. | 1,670,852 | 137,444 |
| * First Solar Inc. | 724,794 | 124,867 | Rockwell Automation Inc. | 409,389 | 127,107 |
| * Enphase Energy Inc. | 926,303 | 122,402 | JB Hunt Transport Services Inc. | 589,161 | 117,679 |
| Halliburton Co. | 2,875,983 | 103,967 | Ingersoll Rand Inc. | 1,445,233 | 111,774 |
| EQT Corp. | 1,468,718 | 56,780 | Howmet Aerospace Inc. | 1,470,078 | 79,561 |
| Marathon Oil Corp. | 2,088,749 | 50,464 | HEICO Corp. Class A | 537,160 | 76,513 |
| Texas Pacific Land Corp. | 21,928 | 34,481 | Ball Corp. | 1,125,708 | 64,751 |
| | - | 1,589,124 | HEICO Corp. | 292,495 | 52,319 |
| Financials (6.9%) | | 1,000,124 | TransUnion | 691,809 | 47,534 |
| MSCI Inc. Class A | 536,515 | 303,480 | * Trimble Inc. | 888,463 | 47,266 |
| Apollo Global Management Inc. | 2,836,905 | 264,371 | Jack Henry & Associates Inc. | 259,915 | 42,473 |
| * Coinbase Global Inc. Class A | 1,097,093 | 190,807 | * BILL Holdings Inc. | 362,220 | 29,553 |
| Broadridge Financial Solutions Inc. | 840,128 | 172,856 | *,1 Symbotic Inc. Class A | 175,769 | 9,022 |
| Ares Management Corp. Class A | 1,192,679 | 141,833 | | · · · · | 4,647,432 |
| o | , - , - · - | , | | | 4,047,432 |

| | | | Market Value• |
|----|--|------------|------------------|
| | | Shares | (\$000) |
| Re | al Estate (7.3%) | | |
| | Welltower Inc. | 3,971,019 | 358,067 |
| | Realty Income Corp. | 5,169,220 | 296,817 |
| * | CoStar Group Inc. | 2,915,888 | 254,819 |
| | Extra Space Storage Inc. | 1,508,665 | 241,884 |
| | SBA Communications Corp. Class A | 770,364 | 195,434 |
| | Invitation Homes Inc. | 4,369,799 | 149,054 |
| | Sun Communities Inc. | 888,584 | 118,759 |
| * | Zillow Group Inc. Class C | 552,138 | 31,947 |
| | Camden Property Trust | 190,649 | 18,929 |
| * | Zillow Group Inc. Class A | 138,935 | 7,880 |
| | | | 1,673,590 |
| Te | chnology (24.7%) | | |
| | Amphenol Corp. Class A | 4,272,396 | 423,523 |
| | Microchip Technology Inc. | 3,863,494 | 348,410 |
| Ĵ | Atlassian Corp. Class A | 1,106,890 | 263,285 |
| ţ | ON Semiconductor Corp. | 3,075,475 | 256,894 |
| | Palantir Technologies Inc. Class A | 14,038,493 | 241,041 |
| Ĵ | Gartner Inc. | 528,784 | 238,540 |
| | Datadog Inc. Class A | 1,941,903 | 235,708 |
| | ANSYS Inc. | 620,330 | 225,105 |
| * | DoorDash Inc. Class A | 2,250,256 | 222,528 |
| J | Monolithic Power Systems Inc. | 325,022 | 205,017 |
| Ĵ | HubSpot Inc. | 341,426 | 198,211 |
| - | MongoDB Inc. Class A | 483,979 | 197,875 |
| J | Marvell Technology Inc. | 3,080,511 | 185,786 |
| Ĵ | Splunk Inc. | 1,203,516 | 183,356 |
| Ĵ | Cloudflare Inc. Class A | 2,007,243 | 167,123 |
| Ĵ | Pinterest Inc. Class A | 4,186,814 | 155,080 |
| Ĵ | Zscaler Inc. | 630,531 | 139,700 |
| | Fortinet Inc. | 2,330,432 | 136,400 |
| | Skyworks Solutions Inc. | 1,142,138 | 128,399 |
| Ĵ | VeriSign Inc. | 619,712 | 127,636 |
| Ĵ | Akamai Technologies Inc. | 1,077,097 | 127,474 |
| * | Snap Inc. Class A | 7,456,011 | 126,230 |
| * | Tyler Technologies Inc. | 300,803 | 125,772 |
| * | EPAM Systems Inc. | 412,003 | 122,505 |
| | Zoom Video Communications Inc. Class A | 1,656,605 | 119,127 |
| | Teradyne Inc. | 1,091,596 | 118,460 |
| - | GoDaddy Inc. Class A | 1,005,579 | 106,752 |
| - | Okta Inc. Class A | 1,119,278 | 101,328 |

| | Shares | Market Value• (\$000) |
|--|-----------|-----------------------------|
| * Twilio Inc. Class A | 1,228,061 | 93,173 |
| Bentley Systems Inc. Class B | 1,624,357 | 84,759 |
| * Unity Software Inc. | 1,899,441 | 77,668 |
| Paycom Software Inc. | 365,536 | 75,564 |
| Seagate Technology Holdings plc | 709,472 | 60,568 |
| * DocuSign Inc. Class A | 725,765 | 43,147 |
| * Match Group Inc. | 970,826 | 35,435 |
| | | 5,697,579 |
| Telecommunications (3.9%) | | |
| * Arista Networks Inc. | 1,777,214 | 418,552 |
| Motorola Solutions Inc. | 1,185,180 | 371,068 |
| * Liberty Broadband Corp. Class C | 849,105 | 68,429 |
| * Roku Inc. Class A | 446,697 | 40,944 |
| * Liberty Broadband Corp. Class A | 121,498 | 9,798 |
| Utilities (1.8%) | | 908,791 |
| Waste Connections Inc. | 1,839,805 | 274,628 |
| Constellation Energy Corp. | 1,140,371 | 133,298 |
| | | 407,926 |
| Total Common Stocks (Cost \$16,089,470) | | 22,977,038 |
| Temporary Cash Investments (0.2%) | | |
| Money Market Fund (0.2%) ^{2.3} Vanguard Market Liquidity Fund, 5.435% (Cost \$62,161) | 621,735 | 62,161 |
| Total Investments (100.1%) (Cost \$16,151,631) | | 23,039,199 |
| Other Assets and Liabilities—Net (-0.1%) | | (34,303 |
| Net Assets (100%) | | 23,004,896 |

1 Includes partial security positions on loan to broker-dealers. The total value of securities on loan is \$17,419,000.

Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.
Collateral of \$19,279,000 was received for securities on loan.

Derivative Financial Instruments Outstanding as of Period End

| | | | | (\$000) |
|------------------------------|------------|--|--------------------|---|
| | Expiration | Number of Long (Short) Contracts | Notional Amount | Value and Unrealized Appreciation (Depreciation) |
| Long Futures Contracts | | | | |
| E-mini S&P 500 Index | March 2024 | 42 | 10,122 | 66 |
| E-mini S&P Mid-Cap 400 Index | March 2024 | 16 | 4,495 | (23) |
| | | | | 43 |

Over-the-Counter Total Return Swaps

| Reference Entity | Termination Date | Counterparty | Notional Amount (\$000) | Floating Interest Rate Received (Paid) ¹ (%) | Value and Unrealized Appreciation (\$000) | Value and Unrealized (Depreciation) (\$000) |
|---------------------|---------------------|--------------|-------------------------------|--|--|--|
| , | | 1 , | | , | (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | (\$000) |
| Domino's Pizza Inc. | 8/30/24 | BANA | 10,608 | (5.332) | 511 | — |
| Domino's Pizza Inc. | 8/30/24 | BANA | 10,608 | (5.332) | 511 | — |
| | | | | | 1,022 | _ |

1 Based on USD Overnight Bank Funding Rate as of the most recent reset date. Floating interest payment received/paid monthly. BANA—Bank of America, N.A.

At December 31, 2023, the counterparties had deposited in segregated accounts securities with a value of \$1,168,000 in connection with open over-the-counter swap contracts.

Statement of Assets and Liabilities

As of December 31, 2023

| (\$000s, except shares, footnotes, and per-share amounts) | Amount |
|---|------------|
| Assets | |
| Investments in Securities, at Value ¹ | |
| Unaffiliated Issuers (Cost \$16,089,470) | 22,977,038 |
| Affiliated Issuers (Cost \$62,161) | 62,161 |
| Total Investments in Securities | 23,039,199 |
| Investment in Vanguard | 707 |
| Cash Collateral Pledged—Futures Contracts | 1,670 |
| Receivables for Investment Securities Sold | 281 |
| Receivables for Accrued Income | 9,041 |
| Receivables for Capital Shares Issued | 7,869 |
| Unrealized Appreciation—Over-the-Counter Swap Contracts | 1,022 |
| Total Assets | 23,059,789 |
| Liabilities | |
| Due to Custodian | 266 |
| Payables for Investment Securities Purchased | 246 |
| Collateral for Securities on Loan | 19,279 |
| Payables for Capital Shares Redeemed | 34,207 |
| Payables to Vanguard | 706 |
| Variation Margin Payable—Futures Contracts | 189 |
| Total Liabilities | 54,893 |
| Net Assets | 23,004,896 |

1 Includes \$17,419,000 of securities on loan.

At December 31, 2023, net assets consisted of:

| 20,611,267 |
|------------|
| 2,393,629 |
| 23,004,896 |
| |
| 49,471 |
| \$86.36 |
| |
| 11,851,141 |
| \$219.60 |
| |
| 11,104,284 |
| \$94.53 |
| |

Statement of Operations

| | Year Ended December 31, 2023 |
|---|---------------------------------|
| | (\$000) |
| Investment Income | |
| Income | |
| Dividends ¹ | 176,605 |
| Interest ² | 1,197 |
| Securities Lending—Net | 2,061 |
| Total Income | 179,863 |
| Expenses | |
| The Vanguard Group—Note B | |
| Investment Advisory Services | 446 |
| Management and Administrative—Investor Shares | 82 |
| Management and Administrative—ETF Shares | 6,025 |
| Management and Administrative—Admiral Shares | 6,053 |
| Marketing and Distribution—Investor Shares | 3 |
| Marketing and Distribution—ETF Shares | 585 |
| Marketing and Distribution—Admiral Shares | 528 |
| Custodian Fees | 86 |
| Auditing Fees | 34 |
| Shareholders' Reports—Investor Shares | — |
| Shareholders' Reports—ETF Shares | 373 |
| Shareholders' Reports—Admiral Shares | 139 |
| Trustees' Fees and Expenses | 12 |
| Other Expenses | 23 |
| Total Expenses | 14,389 |
| Net Investment Income | 165,474 |
| Realized Net Gain (Loss) | |
| Investment Securities Sold ^{2,3} | (359,856) |
| Futures Contracts | 2,140 |
| Swap Contracts | 66 |
| Realized Net Gain (Loss) | (357,650) |
| Change in Unrealized Appreciation (Depreciation) | |
| Investment Securities ² | 4,490,460 |
| Futures Contracts | 282 |
| Swap Contracts | 1,022 |
| Change in Unrealized Appreciation (Depreciation) | 4,491,764 |
| Net Increase (Decrease) in Net Assets Resulting from Operations | 4,299,588 |

1 Dividends are net of foreign withholding taxes of \$279,000.

2 Interest income, realized net gain (loss), capital gain distributions received, and change in unrealized appreciation (depreciation) from an affiliated company of the fund were \$1,140,000, (\$1,000), less than \$1,000, and (\$25,000), respectively. Purchases and sales are for temporary cash investment purposes.

3 Includes \$792,304,000 of net gain (loss) resulting from in-kind redemptions.

Statement of Changes in Net Assets

| | Year Ended December | | |
|---|---------------------|-----------------|--|
| | 2023 (\$000) | 2022 (\$000) | |
| Increase (Decrease) in Net Assets | | | |
| Operations | | | |
| Net Investment Income | 165,474 | 143,006 | |
| Realized Net Gain (Loss) | (357,650) | (287,627) | |
| Change in Unrealized Appreciation (Depreciation) | 4,491,764 | (7,290,573) | |
| Net Increase (Decrease) in Net Assets Resulting from Operations | 4,299,588 | (7,435,194) | |
| Distributions | | | |
| Investor Shares | (311) | (306) | |
| ETF Shares | (83,169) | (71,823) | |
| Admiral Shares | (79,306) | (70,682) | |
| Total Distributions | (162,786) | (142,811) | |
| Capital Share Transactions | | | |
| Investor Shares | (6,325) | (17,561) | |
| ETF Shares | 427,802 | 298,485 | |
| Admiral Shares | (37,033) | 99,556 | |
| Net Increase (Decrease) from Capital Share Transactions | 384,444 | 380,480 | |
| Total Increase (Decrease) | 4,521,246 | (7,197,525) | |
| Net Assets | | | |
| Beginning of Period | 18,483,650 | 25,681,175 | |
| End of Period | 23,004,896 | 18,483,650 | |

Investor Shares

| For a Share Outstanding | | | Year | Ended Dec | ember 31, |
|---|---------|--------------------|----------|-----------|-----------|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 |
| Net Asset Value, Beginning of Period | \$70.68 | \$100.07 | \$83.37 | \$62.43 | \$47.02 |
| Investment Operations | | | | | |
| Net Investment Income ¹ | .528 | .444 | .229 | .340 | .345 |
| Net Realized and Unrealized Gain (Loss) on Investments | 15.674 | (29.381) | 16.697 | 20.984 | 15.485 |
| Total from Investment Operations | 16.202 | (28.937) | 16.926 | 21.324 | 15.830 |
| Distributions | | | | | |
| Dividends from Net Investment Income | (.522) | (.453) | (.226) | (.384) | (.420) |
| Distributions from Realized Capital Gains | _ | _ | _ | _ | _ |
| Total Distributions | (.522) | (.453) | (.226) | (.384) | (.420) |
| Net Asset Value, End of Period | \$86.36 | \$70.68 | \$100.07 | \$83.37 | \$62.43 |
| Total Return ² | 22.99% | -28.93% | 20.32% | 34.32% | 33.72% |
| Ratios/Supplemental Data | | | | | |
| Net Assets, End of Period (Millions) | \$49 | \$46 | \$86 | \$81 | \$63 |
| Ratio of Total Expenses to Average Net Assets | 0.19% | 0.19% ³ | 0.19% | 0.19% | 0.19% |
| Ratio of Net Investment Income to Average Net Assets | 0.68% | 0.57% | 0.25% | 0.51% | 0.62% |
| Portfolio Turnover Rate ⁴ | 14% | 22% | 25% | 22% | 18% |

1 Calculated based on average shares outstanding.

2 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.

3 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.19%.

4 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.

ETF Shares

| For a Share Outstanding | Year Ended December 31, | | | | |
|---|-------------------------|--------------------|----------|----------|----------|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 |
| Net Asset Value, Beginning of Period | \$179.73 | \$254.49 | \$212.00 | \$158.76 | \$119.58 |
| Investment Operations | | | | | |
| Net Investment Income ¹ | 1.601 | 1.405 | .870 | 1.074 | 1.386 |
| Net Realized and Unrealized Gain (Loss) on Investments | 39.835 | (74.767) | 42.479 | 53.347 | 39.040 |
| Total from Investment Operations | 41.436 | (73.362) | 43.349 | 54.421 | 40.426 |
| Distributions | | | | | |
| Dividends from Net Investment Income | (1.566) | (1.398) | (.859) | (1.181) | (1.246) |
| Distributions from Realized Capital Gains | — | — | — | — | — |
| Total Distributions | (1.566) | (1.398) | (.859) | (1.181) | (1.246) |
| Net Asset Value, End of Period | \$219.60 | \$179.73 | \$254.49 | \$212.00 | \$158.76 |
| Total Return | 23.14% | -28.84% | 20.47% | 34.46% | 33.86% |
| Ratios/Supplemental Data | | | | | |
| Net Assets, End of Period (Millions) | \$11,851 | \$9,313 | \$12,798 | \$10,164 | \$6,995 |
| Ratio of Total Expenses to Average Net Assets | 0.07% | 0.07% ² | 0.07% | 0.07% | 0.07% |
| Ratio of Net Investment Income to Average Net Assets | 0.81% | 0.72% | 0.37% | 0.63% | 0.95% |
| Portfolio Turnover Rate ³ | 14% | 22% | 25% | 22% | 18% |

1 Calculated based on average shares outstanding.

2 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.07%.

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.

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

Admiral Shares

| For a Share Outstanding | | | Year | Ended Dec | ember 31, |
|---|----------|--------------------|----------|-----------|-----------|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 |
| Net Asset Value, Beginning of Period | \$77.37 | \$109.55 | \$91.26 | \$68.34 | \$51.48 |
| Investment Operations | | | | | |
| Net Investment Income ¹ | .684 | .602 | .373 | .461 | .603 |
| Net Realized and Unrealized Gain (Loss) on Investments | 17.150 | (32.180) | 18.287 | 22.967 | 16.793 |
| Total from Investment Operations | 17.834 | (31.578) | 18.660 | 23.428 | 17.396 |
| Distributions | | | | | |
| Dividends from Net Investment Income | (.674) | (.602) | (.370) | (.508) | (.536) |
| Distributions from Realized Capital Gains | _ | _ | _ | _ | _ |
| Total Distributions | (.674) | (.602) | (.370) | (.508) | (.536) |
| Net Asset Value, End of Period | \$94.53 | \$77.37 | \$109.55 | \$91.26 | \$68.34 |
| Total Return ² | 23.14% | -28.84% | 20.48% | 34.48% | 33.86% |
| Ratios/Supplemental Data | | | | | |
| Net Assets, End of Period (Millions) | \$11,104 | \$9,124 | \$12,797 | \$10,712 | \$8,173 |
| Ratio of Total Expenses to Average Net Assets | 0.07% | 0.07% ³ | 0.07% | 0.07% | 0.07% |
| Ratio of Net Investment Income to Average Net Assets | 0.81% | 0.71% | 0.37% | 0.63% | 0.96% |
| Portfolio Turnover Rate ⁴ | 14% | 22% | 25% | 22% | 18% |

1 Calculated based on average shares outstanding.

2 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.

3 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.07%.

Notes to Financial Statements

Vanguard Mid-Cap Growth Index Fund is registered under the Investment Company Act of 1940 as an open-end investment company, or mutual fund. The fund offers three classes of shares: Investor Shares, ETF Shares, and Admiral Shares. Each of the share classes has different eligibility and minimum purchase requirements, and is designed for different types of investors. ETF Shares are listed for trading on NYSE Arca; they can be purchased and sold through a broker.

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 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 valuation designee to represent fair value and subject to oversight by the board of trustees. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value.

2. Futures Contracts: The fund uses index futures contracts to a limited extent, with the objectives of maintaining full exposure to the stock market, 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 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 for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities 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 gains (losses) on futures contracts.

During the year ended December 31, 2023, 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 the notional amounts at each guarter-end during the period.

3. Swap Contracts: The fund has entered into equity swap contracts to earn the total return on selected reference stocks or indexes 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 generally invests an amount approximating the notional amount of the swap in high-quality temporary cash investments.

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's 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 Schedule of Investments. 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.

The notional amounts of swap contracts are not recorded in the Statement of Assets and Liabilities. 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 Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until periodic payments are made or the termination of the swap, at which time realized gain (loss) is recorded.

During the year ended December 31, 2023, 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 virtually all of its taxable income. The fund's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return. Management has analyzed the fund's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the fund's financial statements.

5. Distributions: Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes.

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 before the opening of the market 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 Assets and Liabilities for the return of the collateral, during the period the securities are on loan. Collateral investments in Vanguard Market Liquidity Fund are subject to market appreciation or depreciation. 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 Facilities and Interfund Lending Program: The fund and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes and are subject to the fund's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility, which 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 either facility bear interest at an agreed-upon spread plus the higher of the federal funds effective rate, the overnight bank funding rate, or the Daily Simple Secured Overnight Financing Rate inclusive of an additional agreed-upon spread. However, borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the fund and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the fund may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the fund's investment objective and investment policies. Interfund loans and borrowings normally extend overnight but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the year ended December 31, 2023, the fund did not utilize the credit facilities or the Interfund Lending Program.

8. Other: Dividend income is recorded on the ex-dividend date. Non-cash dividends included in income, if any, are recorded at the fair value of the securities received. Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. 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 and are generally settled twice a month.

Upon the request of Vanguard, the fund may invest up to 0.40% of its net assets as capital in Vanguard. At December 31, 2023, the fund had contributed to Vanguard capital in the amount of \$707,000, representing less than 0.01% of the fund's net assets and 0.28% of Vanguard's capital received pursuant to the FSA. 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 and derivatives. 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). Any investments and derivatives valued with significant unobservable inputs are noted on the Schedule of Investments.

The following table summarizes the market value of the fund's investments and derivatives as of December 31, 2023, based on the inputs used to value them:

| | Level 1 (\$000) | Level 2 (\$000) | Level 3 (\$000) | Total (\$000) |
|----------------------------------|--------------------|--------------------|--------------------|------------------|
| Investments | | | | |
| Assets | | | | |
| Common Stocks | 22,977,038 | _ | _ | 22,977,038 |
| Temporary Cash Investments | 62,161 | _ | _ | 62,161 |
| Total | 23,039,199 | _ | _ | 23,039,199 |
| Derivative Financial Instruments | | | | |
| Assets | | | | |
| Futures Contracts ¹ | 66 | _ | _ | 66 |
| Swap Contracts | _ | 1,022 | _ | 1,022 |
| Total | 66 | 1,022 | _ | 1,088 |
| Liabilities | | | | |
| Futures Contracts ¹ | 23 | _ | _ | 23 |

1 Includes cumulative appreciation (depreciation) on futures contracts and centrally cleared swaps, if any, as reported in the Schedule of Investments. Only current day's variation margin is reported within the Statement of Assets and Liabilities.

D. Permanent differences between book-basis and tax-basis components of net assets are reclassified among capital accounts in the financial statements to reflect their tax character. These reclassifications have no effect on net assets or net asset value per share. As of period end, permanent differences primarily attributable to the accounting for applicable in-kind redemptions and swap agreements were reclassified between the following accounts:

| | Amount (\$000) |
|-------------------------------------|-------------------|
| Paid-in Capital | 793,305 |
| Total Distributable Earnings (Loss) | (793,305) |

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement and tax purposes; these differences will reverse at some time in the future. The differences are primarily related to capital loss carryforwards; the deferral of losses from wash sales; and the recognition of unrealized gains or losses from certain derivative contracts. As of period end, the tax-basis components of total distributable earnings (loss) are detailed in the table as follows:

| | Amount (\$000) |
|-------------------------------|-------------------|
| Undistributed Ordinary Income | 5,044 |
| Undistributed Long-Term Gains | _ |
| Net Unrealized Gains (Losses) | 6,850,493 |
| Capital Loss Carryforwards | (4,461,908) |
| Qualified Late-Year Losses | _ |
| Other Temporary Differences | _ |
| Total | 2,393,629 |

The tax character of distributions paid was as follows:

| | Year Ended De | Year Ended December 31, | |
|-------------------------|---------------------------|---------------------------|--|
| | 2023 Amount (\$000) | 2022 Amount (\$000) | |
| Ordinary Income* | 162,786 | 142,811 | |
| Long-Term Capital Gains | _ | _ | |
| Total | 162,786 | 142,811 | |
| | | | |

* Includes short-term capital gains, if any.

As of December 31, 2023, gross unrealized appreciation and depreciation for investments and derivatives based on cost for U.S. federal income tax purposes were as follows:

| | Amount (\$000) |
|--|-------------------|
| Tax Cost | 16,188,706 |
| Gross Unrealized Appreciation | 7,690,754 |
| Gross Unrealized Depreciation | (840,261) |
| Net Unrealized Appreciation (Depreciation) | 6,850,493 |

E. During the year ended December 31, 2023, the fund purchased \$4,827,212,000 of investment securities and sold \$4,443,931,000 of investment securities, other than temporary cash investments. Purchases and sales include \$1,930,119,000 and \$1,556,147,000, respectively, in connection with in-kind purchases and redemptions of the fund's capital shares.

The fund purchased securities from and sold securities to other Vanguard funds or accounts managed by Vanguard or its affiliates, in accordance with procedures adopted by the board of trustees in compliance with Rule 17a-7 of the Investment Company Act of 1940. For the year ended December 31, 2023, such purchases were \$369,403,000 and sales were \$1,241,955,000, resulting in net realized loss of \$1,011,903,000; these amounts, other than temporary cash investments, are included in the purchases and sales of investment securities noted above.

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

| December 31, | Year Ended De | | | |
|--------------|-----------------------|-----------------|-----------------------|--|
| 2022 | | 2023 | | |
| | Amount (\$000) | Shares (000) | Amount (\$000) | |
| | | | | Investor Shares |
| 2 91 | 7,152 | 109 | 8,551 | Issued |
| 6 4 | 306 | 4 | 311 | Issued in Lieu of Cash Distributions |
|) (303) | (25,019) | (192) | (15,187) | Redeemed |
|) (208) | (17,561) | (79) | (6,325) | Net Increase (Decrease)—Investor Shares |
| | | | | ETF Shares |
| 6 22,204 | 4,309,536 | 10,398 | 2,058,259 | Issued |
| - — | _ | _ | _ | Issued in Lieu of Cash Distributions |
|) (20,674) | (4,011,051) | (8,250) | (1,630,457) | Redeemed |
| 5 1,530 | 298,485 | 2,148 | 427,802 | Net Increase (Decrease)—ETF Shares |
| | | | | Admiral Shares |
| 1 20,960 | 1,795,061 | 17,926 | 1,523,152 | Issued |
| 4 794 | 63,404 | 822 | 70,921 | Issued in Lieu of Cash Distributions |
|) (20,629) | (1,758,909) | (19,219) | (1,631,106) | Redeemed |
| 6 1,125 | 99,556 | (471) | (37,033) | Net Increase (Decrease)—Admiral Shares |
| 4 | 63,404 (1,758,909) | 822 (19,219) | 70,921 (1,631,106) | Issued in Lieu of Cash Distributions Redeemed |

G. Significant market disruptions, such as those caused by pandemics (e.g., COVID-19 pandemic), natural or environmental disasters, war (e.g., Russia's invasion of Ukraine), acts of terrorism, or other events, can adversely affect local and global markets and normal market operations. Any such disruptions could have an adverse impact on the value of the fund's investments and fund performance.

To the extent the fund's investment portfolio reflects concentration in a particular market, industry, sector, country or asset class, the fund may be adversely affected by the performance of these concentrations and may be subject to increased price volatility and other risks.

The use of derivatives may expose the fund to various risks. Derivatives can be highly volatile, and any initial investment is generally small relative to the notional amount so that transactions may be leveraged in terms of market exposure. A relatively small market movement may have a potentially larger impact on derivatives than on standard securities. Leveraged derivatives positions can, therefore, increase volatility. Additional information regarding the fund's use of derivative(s) and the specific risks associated is described under significant accounting policies. H. Management has determined that no events or transactions occurred subsequent to December 31, 2023, that would require recognition or disclosure in these financial statements.

Mid-Cap Value Index Fund

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.

Cumulative Performance: December 31, 2013, Through December 31, 2023 Initial Investment of \$10,000



| | Average Annual Total Returns Periods Ended December 31, 2023 | | | |
|---|---|---------------|--------------|--|
| _ | One Year | Five Years | Ten Years | Final Value of a \$10,000 Investment |
| Mid-Cap Value Index Fund Investor Shares | 9.62% | 11.17% | 8.36% | \$22,320 |
| ······ CRSP US Mid Cap Value Index | 9.78 | 11.34 | 8.53 | 22,667 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 11.40 | 29,422 |

| | One Year | Five Years | Ten Years | Final Value of a \$10,000 Investment |
|---|-------------|---------------|--------------|--|
| Mid-Cap Value Index Fund ETF Shares Net Asset Value | 9.77% | 11.30% | 8.49% | \$22,587 |
| Mid-Cap Value Index Fund ETF Shares Market Price | 9.83 | 11.31 | 8.49 | 22,589 |
| CRSP US Mid Cap Value Index | 9.78 | 11.34 | 8.53 | 22,667 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 11.40 | 29,422 |

| | One Year | Five Years | Ten Years | Final Value of a \$10,000 Investment |
|---|-------------|---------------|--------------|--|
| Mid-Cap Value Index Fund Admiral Shares | 9.76% | 11.31% | 8.49% | \$22,591 |
| CRSP US Mid Cap Value Index | 9.78 | 11.34 | 8.53 | 22,667 |
| Dow Jones U.S. Total Stock Market Float Adjusted Index | 26.06 | 15.05 | 11.40 | 29,422 |

Cumulative Returns of ETF Shares: December 31, 2013, Through December 31, 2023

| | One Year | Five Years | Ten Years |
|---|-------------|---------------|--------------|
| Mid-Cap Value Index Fund ETF Shares Market Price | 9.83% | 70.87% | 125.89% |
| Mid-Cap Value Index Fund ETF Shares Net Asset Value | 9.77 | 70.76 | 125.87 |
| CRSP US Mid Cap Value Index | 9.78 | 71.08 | 126.67 |

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, click on Price, and then scroll down to the Premium/Discount chart. The ETF premium/discount chart there shows the percentage and days on which the ETF Shares' market price was above or below the NAV.

Fund Allocation

As of December 31, 2023

| Basic Materials | 5.6% |
|------------------------|------|
| Consumer Discretionary | 13.0 |
| Consumer Staples | 6.7 |
| Energy | 3.2 |
| Financials | 17.5 |
| Health Care | 7.7 |
| Industrials | 19.4 |
| Real Estate | 9.2 |
| Technology | 5.5 |
| Utilities | 12.2 |
| | |

The table reflects the fund's investments, except for short-term investments and derivatives. Sector categories are based on the Industry Classification Benchmark ("ICB"), except for the "Other" category (if applicable), which includes securities that have not been provided an ICB classification as of the effective reporting period.

The fund may invest in derivatives (such as futures and swap contracts) for various reasons, including, but not limited to, attempting to remain fully invested and tracking its target index as closely as possible.

Financial Statements

Schedule of Investments

As of December 31, 2023

The fund files its complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The fund's Form N-PORT reports are available on the SEC's website at www.sec.gov.

| | Shares | Market Value• (\$000) | | Shares | Market Value• (\$000) |
|--|----------------------|-----------------------------|--|------------|-----------------------------|
| Common Stocks (99.8%) | Sildies | (\$000) | Tyson Foods Inc. Class A | 2,183,709 | 117,374 |
| | | | Kellanova | 2,097,830 | 117,290 |
| Basic Materials (5.5%) | 4 000 400 | 007505 | Conagra Brands Inc. | 3,659,313 | 104,876 |
| Nucor Corp. | 1,882,126 | 327,565 | J M Smucker Co. | 771,924 | 97,556 |
| LyondellBasell Industries NV Class A | 1,986,634 | 188,889 | Hormel Foods Corp. | 2,091,910 | 67,171 |
| Newmont Corp. | 4,411,693 | 182,600 | McCormick & Co. Inc. (Non-Voting) | 961,933 | 65,815 |
| International Flavors & Fragrances Inc. | 1,954,403 | 158,248 | Campbell Soup Co. | 1,481,079 | 64,027 |
| Celanese Corp. Class A Avery Dennison Corp. | 833,393 | 129,484 124,642 | Albertsons Cos. Inc. Class A | 2,424,846 | 55,772 |
| CF Industries Holdings Inc. | 616,551 1,462,723 | 124,642 | Molson Coors Beverage Co. Class B | 692,210 | 42,370 |
| International Paper Co. | 2,649,117 | 95,766 | | - | 1,904,995 |
| Mosaic Co. | 2,502,256 | 89,406 | Energy (3.2%) | | 1,504,555 |
| Steel Dynamics Inc. | 588,460 | 69,497 | ONEOK Inc. | 4,459,982 | 313,180 |
| Eastman Chemical Co. | 453,774 | 40,758 | Baker Hughes Co. Class A | 7,703,652 | 263,311 |
| FMC Corp. | 477,376 | 30,099 | Williams Cos. Inc. | 4,656,749 | 162,194 |
| Westlake Corp. | 122,687 | 17,171 | Halliburton Co. | 3,083,607 | 111,472 |
| | | | Marathon Oil Corp. | 2,240,299 | 54,126 |
| Consumer Discretionary (12.0%) | | 1,570,411 | · | | 904,283 |
| Consumer Discretionary (13.0%) DR Horton Inc. | 2,168,098 | 329,507 | Financials (17.4%) | | 904,283 |
| Lennar Corp. Class A | 2,168,098 | 329,507 279,653 | Arthur J Gallagher & Co. | 1,652,914 | 371,707 |
| Dollar General Corp. | 1,680,297 | 228,436 | Ameriprise Financial Inc. | 774,751 | 294,274 |
| * Dollar Tree Inc. | 1,600,133 | 227,299 | Prudential Financial Inc. | 2,763,795 | 286,633 |
| Delta Air Lines Inc. | 4,926,317 | 198,186 | Allstate Corp. | 2,003,460 | 280,444 |
| * Warner Bros Discovery Inc. | 15,262,727 | 173,690 | Discover Financial Services | 1,914,417 | 215,180 |
| eBay Inc. | 3,973,427 | 173,321 | * Arch Capital Group Ltd. | 2,714,124 | 201,578 |
| PulteGroup Inc. | 1,650,455 | 170,360 | Willis Towers Watson plc | 790,554 | 190,682 |
| Darden Restaurants Inc. | 921,127 | 151,341 | Hartford Financial Services Group Inc. | 2,302,682 | 185,090 |
| Garmin Ltd. | 1,171,792 | 150,622 | T. Rowe Price Group Inc. | 1,710,873 | 184,244 |
| Genuine Parts Co. | 1,073,341 | 148,658 | American International Group Inc. | 2,687,387 | 182,070 |
| * Carnival Corp. | 7,713,376 | 143,006 | Fifth Third Bancorp | 5,213,809 | 179,824 |
| Electronic Arts Inc. | 1,029,604 | 140,860 | Nasdag Inc. | 3,092,030 | 179,771 |
| *,1 Rivian Automotive Inc. Class A | 5,817,851 | 136,487 | M&T Bank Corp. | 1,270,579 | 174,171 |
| Southwest Airlines Co. | 4,563,854 | 131,804 | State Street Corp. | 2,244,370 | 173,849 |
| Omnicom Group Inc. | 1,515,464 | 131,103 | Raymond James Financial Inc. | 1,437,371 | 160,267 |
| Best Buy Co. Inc. | 1,499,607 | 117,389 | Cboe Global Markets Inc. | 808,129 | 144,300 |
| * United Airlines Holdings Inc. | 2,501,428 | 103,209 | Principal Financial Group Inc. | 1,825,273 | 143,594 |
| * MGM Resorts International | 1,961,382 | 87,635 | Huntington Bancshares Inc. | 11,086,473 | 141,020 |
| News Corp. Class A | 3,436,880 | 84,375 | Regions Financial Corp. | 7,120,549 | 137,996 |
| * NVR Inc. | 11,558 | 80,911 | Northern Trust Corp. | 1,505,813 | 127,060 |
| Fox Corp. Class A | 1,856,375 | 55,079 | Cincinnati Financial Corp. | 1,201,288 | 124,285 |
| Interpublic Group of Cos. Inc. | 1,466,272 | 47,859 | Everest Group Ltd. | 332,194 | 117,457 |
| * CarMax Inc. | 607,306 | 46,605 | Citizens Financial Group Inc. | 3,390,934 | 112,376 |
| Fox Corp. Class B | 1,031,838 | 28,530 | W R Berkley Corp. | 1,480,696 | 104,715 |
| ¹ Paramount Global Class B | 1,786,952 | 26,429 | KeyCorp | 7,167,989 | 103,219 |
| Endeavor Group Holdings Inc. Class A | 1,035,765 | 24,579 | Fidelity National Financial Inc. | 1,979,458 | 100,992 |
| ¹ Sirius XM Holdings Inc. | 4,410,743 | 24,127 | Loews Corp. | 1,367,413 | 95,158 |
| Lennar Corp. Class B | 122,627 | 16,438 | * Markel Group Inc. | 48,071 | 68,256 |
| News Corp. Class B | 378,120 | 9,725 | Franklin Resources Inc. | 2,082,600 | 62,041 |
| Edeld Group Inc. | 1,753,660 | 7,383 | Globe Life Inc. | 342,217 | 41,655 |
| ¹ Paramount Global Class A | 93,029 | 1,829 | Corebridge Financial Inc. | 1,686,615 | 36,532 |
| | | 3,676,435 | *.1 Rocket Cos. Inc. Class A | 970,641 | 14,055 |
| Consumer Staples (6.7%) | | | | | 4,934,495 |
| Cencora Inc. | 1,297,823 | 266,547 | Health Care (7.7%) | | |
| Corteva Inc. | 5,396,517 | 258,601 | * Centene Corp. | 4,089,815 | 303,505 |
| Kroger Co. | 4,956,343 | 226,554 | GE HealthCare Technologies Inc. | 2,962,514 | 229,061 |
| Archer-Daniels-Midland Co. | 2,041,761 | 147,456 | Zimmer Biomet Holdings Inc. | 1,599,948 | 194,714 |
| Walgreens Boots Alliance Inc. | 5,291,265 | 138,155 | Cardinal Health Inc. | 1,886,957 | 190,205 |
| Clorox Co. | 949,793 | 135,431 | Baxter International Inc. | 3,884,043 | 150,157 |

| | Shares | Market Value• (\$000) |
|---|------------------------|-----------------------------|
| Laboratory Corp. of America Holdings | 649,995 | 147,737 |
| * Biogen Inc. | 554,662 | 143,530 |
| * Hologic Inc. | 1,837,462 | 131,287 |
| Quest Diagnostics Inc. | 860,807 | 118,688 |
| * Avantor Inc. | 5,178,355 | 118,222 |
| Revvity Inc. Viatris Inc. | 944,796 | 103,276 |
| STERIS plc | 9,184,673 378,207 | 99,470 83,149 |
| Royalty Pharma plc Class A | 2,895,149 | 81,325 |
| Teleflex Inc. | 179,863 | 44,847 |
| * Henry Schein Inc. | 499,766 | 37,837 |
| * Bio-Rad Laboratories Inc. Class A | 39,158 _ | 12,644 2,189,654 |
| Industrials (19.4%) | | 2,105,054 |
| PACCAR Inc. | 4,004,618 | 391,051 |
| Carrier Global Corp. | 6,423,612 | 369,037 |
| Ferguson plc | 1,558,471 | 300,894 |
| United Rentals Inc. | 518,930 | 297,565 |
| Otis Worldwide Corp. Fidelity National Information Services Inc. | 3,133,244 4,536,029 | 280,331 272,479 |
| Cummins Inc. | 1,085,188 | 259,979 |
| Global Payments Inc. | 1,993,520 | 253,177 |
| DuPont de Nemours Inc. | 2,963,146 | 227,955 |
| * Keysight Technologies Inc. | 1,336,735 | 212,661 |
| Fortive Corp. | 2,690,558 | 198,106 |
| Westinghouse Air Brake Technologies Corp. Dover Corp. | 1,371,630 1,070,993 | 174,060 164,729 |
| L3Harris Technologies Inc. | 725,552 | 152,816 |
| Johnson Controls International plc | 2,604,195 | 150,106 |
| Expeditors International of Washington Inc. | 1,113,128 | 141,590 |
| Rockwell Automation Inc. | 438,962 | 136,289 |
| PPG Industries Inc. | 902,635 | 134,989 |
| Jacobs Solutions Inc. | 964,841 | 125,236 |
| Synchrony Financial | 3,168,038 | 120,987 |
| Textron Inc. Ingersoll Rand Inc. | 1,500,615 1,549,551 | 120,679 119,842 |
| Snap-on Inc. | 404,083 | 116,715 |
| Stanley Black & Decker Inc. | 1,173,748 | 115,145 |
| Masco Corp. | 1,718,706 | 115,119 |
| Packaging Corp. of America | 686,170 | 111,784 |
| * Zebra Technologies Corp. Class A | 393,209 | 107,476 |
| Ball Corp. | 1,206,969 | 69,425 |
| Hubbell Inc. Class B TransUnion | 205,266 | 67,518 |
| * Trimble Inc. | 741,441 952,222 | 50,944 50,658 |
| Crown Holdings Inc. | 461,760 | 42,524 |
| CH Robinson Worldwide Inc. | 424,118 | 36,640 |
| Real Estate (9.2%) | | 5,488,506 |
| Digital Realty Trust Inc. | 2,318,563 | 312,032 |
| VICI Properties Inc. Class A | 7,920,290 | 252,499 |
| * CBRE Group Inc. Class A | 2,216,785 | 206,360 |
| AvalonBay Communities Inc. | 1,087,255 | 203,556 |
| Weyerhaeuser Co. | 5,588,835 | 194,324 |
| Simon Property Group Inc. | 1,186,407 | 169,229 |
| Equity Residential Alexandria Real Estate Equities Inc. | 2,761,778 | 168,910 168,657 |
| Alexandria Real Estate Equities Inc. Iron Mountain Inc. | 1,330,415 2,235,427 | 168,657 156.435 |
| Ventas Inc. | 2,235,427 3,080,594 | 156,435 153,537 |
| Essex Property Trust Inc. | 491,387 | 121,834 |
| Mid-America Apartment Communities Inc. | 893,361 | 120,121 |
| WP Carey Inc. | 1,674,150 | 108,502 |
| UDR Inc. | 2,518,294 | 96,425 |
| Host Hotels & Resorts Inc. | 2,700,134 | 52,572 |
| | | |

| | 0 | Market Value |
|--|----------------------|------------------|
| | Shares | (\$000 |
| Regency Centers Corp. | 706,486 | 47,335 |
| Healthpeak Properties Inc. Camden Property Trust | 2,093,818 204,447 | 41,458 20,300 |
| Canden Hoperty hust | 204,447 | 2,594,086 |
| ēchnology (5.5%) | | ,, |
| CDW Corp. | 1,025,594 | 233,138 |
| HP Inc. | 6,809,518 | 204,898 |
| Corning Inc. | 5,878,695 | 179,006 |
| Hewlett Packard Enterprise Co. | 9,821,575 | 166,770 |
| Cognizant Technology Solutions Corp. Class A | 1,919,409 | 144,973 |
| NetApp Inc. | 1,598,504 | 140,924 |
| Western Digital Corp. | 2,482,402 | 130,003 |
| SS&C Technologies Holdings Inc. | 1,610,750 | 98,433 |
| Gen Digital Inc. | 4,169,521 | 95,149 |
| Seagate Technology Holdings plc | 760,720 | 64,943 |
| Leidos Holdings Inc. | 526,370 | 56,974 |
| Qorvo Inc. | 372,583 | 41,957 |
| tilities (12.2%) | | 1,557,100 |
| PG&E Corp. | 19,484,320 | 351,302 |
| Xcel Energy Inc. | 4,224,615 | 261,546 |
| Consolidated Edison Inc. | 2,640,691 | 240,224 |
| Public Service Enterprise Group Inc. | 3,821,156 | 233,664 |
| Edison International | 2,936,541 | 209,933 |
| WEC Energy Group Inc. | 2,414,931 | 203,265 |
| American Water Works Co. Inc. | 1,490,648 | 196,751 |
| Eversource Energy | 2,672,560 | 164,950 |
| Entergy Corp. | 1,618,876 | 163,814 |
| FirstEnergy Corp. | 4,173,368 | 152,996 |
| PPL Corp. | 5,643,077 | 152,927 |
| DTE Energy Co. | 1,341,257 | 147,887 |
| Ameren Corp. | 2,009,490 | 145,366 |
| CenterPoint Energy Inc. | 4,818,889 | 137,676 |
| CMS Energy Corp. | 2,233,753 | 129,714 |
| Constellation Energy Corp. | 894,578 | 104,567 |
| Alliant Energy Corp. | 1,934,816 | 99,256 |
| AES Corp. | 5,126,590 | 98,687 |
| Evergy Inc. NiSource Inc. | 1,757,698 | 91,752 |
| Vistra Corp. | 3,424,649 | 90,924 |
| Avangrid Inc. | 1,368,597 592,501 | 52,718 19,203 |
| Avanghu inc. | 592,501 | 3,449,122 |
| otal Common Stocks | | 0,110,122 |
| Cost \$21,606,256) | | 28,269,155 |
| emporary Cash Investments (0.2%) | | |
| Aoney Market Fund (0.2%) | | |
| ³ Vanguard Market Liquidity Fund, 5.435% (Cost \$48,429) | 484,544 | 48,445 |
| otal Investments (100.0%) Cost \$21,654,685) | | 28,317,600 |
| other Assets and Liabilities – Net (0.0%) | | 14,034 |
| let Assets (100%) | | 28,331,634 |
| ost is in \$000. See Note A in Notes to Financial Statements. Non-income-producing security. Includes partial security positions on loan to broker-dealers. The | | |

I includes partial security positions on loan to broker-dealers. The total value of securities on loan is \$43,657,000.

Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.
Collateral of \$48,225,000 was received for securities on loan.

Derivative Financial Instruments Outstanding as of Period End

Futures Contracts

| | | | | (\$000) |
|------------------------------|------------|--|--------------------|---|
| | Expiration | Number of Long (Short) Contracts | Notional Amount | Value and Unrealized Appreciation (Depreciation) |
| Long Futures Contracts | | | | |
| E-mini S&P 500 Index | March 2024 | 26 | 6,266 | (17) |
| E-mini S&P Mid-Cap 400 Index | March 2024 | 48 | 13,486 | (128) |
| | | | | (145) |

| Over-the-Counter Total Return | Swaps | | | Floating Interest | | |
|-------------------------------|---------------------|--------------|-------------------------------|--|--|--|
| Reference Entity | Termination Date | Counterparty | Notional Amount (\$000) | Rate Received (Paid) ¹ (%) | Value and Unrealized Appreciation (\$000) | Value and Unrealized (Depreciation) (\$000) |
| Constellation Energy Corp. | 1/31/24 | CITNA | 25,176 | (5.332) | | (909) |
| Constellation Energy Corp. | 8/30/24 | BANA | 14,525 | (5.332) | _ | (524) |
| | 1/01/04 | CITNA | 16,093 | (5.332) | 1,365 | |
| Warner Bros Discovery Inc. | 1/31/24 | CIINA | 10,035 | (0.002) | 1,300 | |

1 Based on USD Overnight Bank Funding Rate as of the most recent reset date. Floating interest payment received/paid monthly. BANA—Bank of America, N.A. CITNA—Citibank, N.A.

At December 31, 2023, the counterparties had deposited in segregated accounts cash of \$820,000 in connection with open over-the-counter swap contracts.

Statement of Assets and Liabilities

As of December 31, 2023

| (\$000s, except shares, footnotes, and per-share amounts) | Amount |
|---|------------|
| Assets | |
| Investments in Securities, at Value ¹ | |
| Unaffiliated Issuers (Cost \$21,606,256) | 28,269,155 |
| Affiliated Issuers (Cost \$48,429) | 48,445 |
| Total Investments in Securities | 28,317,600 |
| Investment in Vanguard | 892 |
| Cash Collateral Pledged—Futures Contracts | 1,390 |
| Cash Collateral Pledged—Over-the-Counter Swap Contracts | 270 |
| Receivables for Investment Securities Sold | 12,908 |
| Receivables for Accrued Income | 74,353 |
| Receivables for Capital Shares Issued | 9,309 |
| Unrealized Appreciation—Over-the-Counter Swap Contracts | 1,365 |
| Total Assets | 28,418,087 |
| Liabilities | |
| Due to Custodian | 4,322 |
| Payables for Investment Securities Purchased | 211 |
| Collateral for Securities on Loan | 48,225 |
| Payables for Capital Shares Redeemed | 31,213 |
| Payables to Vanguard | 872 |
| Variation Margin Payable—Futures Contracts | 177 |
| Unrealized Depreciation—Over-the-Counter Swap Contracts | 1,433 |
| Total Liabilities | 86,453 |
| Net Assets | 28,331,634 |

1 Includes \$43,657,000 of securities on loan.

At December 31, 2023, net assets consisted of:

| Paid-in Capital | 26,772,587 |
|--|------------|
| Total Distributable Earnings (Loss) | 1,559,047 |
| Net Assets | 28,331,634 |
| Investor Shares—Net Assets | |
| Applicable to 689,038 outstanding \$.001 par value shares of beneficial interest (unlimited authorization) | 39,321 |
| Net Asset Value Per Share—Investor Shares | \$57.07 |
| ETF Shares—Net Assets | |
| Applicable to 112,610,775 outstanding \$.001 par value shares of beneficial interest (unlimited authorization) | 16,320,349 |
| Net Asset Value Per Share—ETF Shares | \$144.93 |
| Admiral Shares—Net Assets | |
| Applicable to 159,460,910 outstanding \$.001 par value shares of beneficial interest (unlimited authorization) | 11,971,964 |
| Net Asset Value Per Share – Admiral Shares | \$75.08 |

Statement of Operations

| | Year Ended December 31, 2023 |
|---|---------------------------------|
| | (\$000) |
| Investment Income | |
| Income | |
| Dividends | 666,368 |
| Interest ¹ | 1,354 |
| Securities Lending—Net | 6,750 |
| Total Income | 674,472 |
| Expenses | |
| The Vanguard Group—Note B | |
| Investment Advisory Services | 602 |
| Management and Administrative—Investor Shares | 72 |
| Management and Administrative—ETF Shares | 8,914 |
| Management and Administrative—Admiral Shares | 6,936 |
| Marketing and Distribution—Investor Shares | 2 |
| Marketing and Distribution—ETF Shares | 842 |
| Marketing and Distribution—Admiral Shares | 629 |
| Custodian Fees | 348 |
| Auditing Fees | 35 |
| Shareholders' Reports—Investor Shares | _ |
| Shareholders' Reports—ETF Shares | 751 |
| Shareholders' Reports—Admiral Shares | 162 |
| Trustees' Fees and Expenses | 16 |
| Other Expenses | 23 |
| Total Expenses | 19,332 |
| Expenses Paid Indirectly | (18) |
| Net Expenses | 19,314 |
| Net Investment Income | 655,158 |
| Realized Net Gain (Loss) | |
| Investment Securities Sold ^{1,2} | 579,354 |
| Futures Contracts | 4,634 |
| Swap Contracts | 3,729 |
| Realized Net Gain (Loss) | 587,717 |
| Change in Unrealized Appreciation (Depreciation) | |
| Investment Securities ¹ | 1,330,296 |
| Futures Contracts | 245 |
| Swap Contracts | 1,375 |
| Change in Unrealized Appreciation (Depreciation) | 1,331,916 |
| Net Increase (Decrease) in Net Assets Resulting from Operations | 2,574,791 |

1 Interest income, realized net gain (loss), capital gain distributions received, and change in unrealized appreciation (depreciation) from an affiliated company of the fund were \$1,263,000, \$25,000, less than \$1,000, and (\$5,000), respectively. Purchases and sales are for temporary cash investment purposes.

2 Includes \$1,739,804,000 of net gain (loss) resulting from in-kind redemptions.

Statement of Changes in Net Assets

| | Year Endec | December 31, |
|---|-----------------|-----------------|
| | 2023 (\$000) | 2022 (\$000) |
| Increase (Decrease) in Net Assets | | |
| Operations | | |
| Net Investment Income | 655,158 | 625,353 |
| Realized Net Gain (Loss) | 587,717 | 1,031,827 |
| Change in Unrealized Appreciation (Depreciation) | 1,331,916 | (4,126,567) |
| Net Increase (Decrease) in Net Assets Resulting from Operations | 2,574,791 | (2,469,387) |
| Distributions | | |
| Investor Shares | (921) | (970) |
| ETF Shares | (379,681) | (356,532) |
| Admiral Shares | (277,948) | (267,459) |
| Total Distributions | (658,550) | (624,961) |
| Capital Share Transactions | | |
| Investor Shares | (7,800) | (7,678) |
| ETF Shares | (785,146) | 1,666,234 |
| Admiral Shares | (570,787) | (147,140) |
| Net Increase (Decrease) from Capital Share Transactions | (1,363,733) | 1,511,416 |
| Total Increase (Decrease) | 552,508 | (1,582,932) |
| Net Assets | | |
| Beginning of Period | 27,779,126 | 29,362,058 |
| End of Period | 28,331,634 | 27,779,126 |

Investor Shares

| For a Share Outstanding | Year Ended December 3 | | | | | |
|---|-----------------------|--------------------|---------|--------------------|---------|--|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 | |
| Net Asset Value, Beginning of Period | \$53.27 | \$59.16 | \$46.83 | \$46.96 | \$37.50 | |
| Investment Operations | | | | | | |
| Net Investment Income ¹ | 1.202 | 1.129 | 1.006 | 1.048 ² | .808 | |
| Net Realized and Unrealized Gain (Loss) on Investments | 3.830 | (5.876) | 12.311 | (.122) | 9.566 | |
| Total from Investment Operations | 5.032 | (4.747) | 13.317 | .926 | 10.374 | |
| Distributions | | | | | | |
| Dividends from Net Investment Income | (1.232) | (1.143) | (.987) | (1.056) | (.914) | |
| Distributions from Realized Capital Gains | _ | _ | _ | _ | _ | |
| Total Distributions | (1.232) | (1.143) | (.987) | (1.056) | (.914) | |
| Net Asset Value, End of Period | \$57.07 | \$53.27 | \$59.16 | \$46.83 | \$46.96 | |
| Total Return ³ | 9.62% | -8.00% | 28.59% | 2.43% | 27.82% | |
| Ratios/Supplemental Data | | | | | | |
| Net Assets, End of Period (Millions) | \$39 | \$45 | \$57 | \$43 | \$52 | |
| Ratio of Total Expenses to Average Net Assets | 0.19% ⁴ | 0.19% ⁴ | 0.19% | 0.19% | 0.19% | |
| Ratio of Net Investment Income to Average Net Assets | 2.24% | 2.05% | 1.83% | 2.58% ² | 1.90% | |
| Portfolio Turnover Rate ⁵ | 22% | 18% | 17% | 39% | 17% | |

1 Calculated based on average shares outstanding.

2 Net investment income per share and the ratio of net investment income to average net assets include \$.142 and 0.35%, respectively, resulting from a special dividend from NortonLifeLock Inc. in February 2020.

3 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.

4 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.19%.

ETF Shares

| For a Share Outstanding | Year Ended December 31, | | | | |
|--|-------------------------|--------------------|----------|--------------------|----------|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 |
| Net Asset Value, Beginning of Period | \$135.28 | \$150.26 | \$118.93 | \$119.27 | \$95.22 |
| Investment Operations | | | | | |
| Net Investment Income ¹ | 3.249 | 3.091 | 2.744 | 2.781 ² | 2.497 |
| Net Realized and Unrealized Gain (Loss) on Investments | 9.695 | (14.996) | 31.258 | (.310) | 23.996 |
| Total from Investment Operations | 12.944 | (11.905) | 34.002 | 2.471 | 26.493 |
| Distributions | | | | | |
| Dividends from Net Investment Income | (3.294) | (3.075) | (2.672) | (2.811) | (2.443) |
| Distributions from Realized Capital Gains | _ | — | — | — | — |
| Total Distributions | (3.294) | (3.075) | (2.672) | (2.811) | (2.443) |
| Net Asset Value, End of Period | \$144.93 | \$135.28 | \$150.26 | \$118.93 | \$119.27 |
| Total Return | 9.77% | -7.88% | 28.74% | 2.50% | 27.98% |
| Ratios/Supplemental Data | | | | | |
| Net Assets, End of Period (Millions) | \$16,320 | \$15,995 | \$16,086 | \$11,061 | \$10,339 |
| Ratio of Total Expenses to Average Net Assets | 0.07% ³ | 0.07% ³ | 0.07% | 0.07% | 0.07% |
| Ratio of Net Investment Income to Average Net Assets | 2.38% | 2.22% | 1.96% | 2.69% ² | 2.26% |
| Portfolio Turnover Rate ⁴ | 22% | 18% | 17% | 39% | 17% |

1 Calculated based on average shares outstanding.

2 Net investment income per share and the ratio of net investment income to average net assets include \$.362 and 0.35%, respectively, resulting from a special dividend from NortonLifeLock Inc. in February 2020.

3 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.07%.

Admiral Shares

| or a Share Outstanding Year Ended December 3 | | | | | ember 31, |
|---|----------|----------|----------|--------------------|-----------|
| Throughout Each Period | 2023 | 2022 | 2021 | 2020 | 2019 |
| Net Asset Value, Beginning of Period | \$70.08 | \$77.84 | \$61.61 | \$61.79 | \$49.33 |
| Investment Operations | | | | | |
| Net Investment Income ¹ | 1.677 | 1.586 | 1.413 | 1.438 ² | 1.303 |
| Net Realized and Unrealized Gain (Loss) on Investments | 5.030 | (7.753) | 16.201 | (.162) | 12.422 |
| Total from Investment Operations | 6.707 | (6.167) | 17.614 | 1.276 | 13.725 |
| Distributions | | | | | |
| Dividends from Net Investment Income | (1.707) | (1.593) | (1.384) | (1.456) | (1.265) |
| Distributions from Realized Capital Gains | _ | — | — | — | — |
| Total Distributions | (1.707) | (1.593) | (1.384) | (1.456) | (1.265) |
| Net Asset Value, End of Period | \$75.08 | \$70.08 | \$77.84 | \$61.61 | \$61.79 |
| Total Return ³ | 9.76% | -7.90% | 28.76% | 2.54% | 27.99% |
| Ratios/Supplemental Data | | | | | |
| Net Assets, End of Period (Millions) | \$11,972 | \$11,740 | \$13,218 | \$10,092 | \$11,148 |
| Ratio of Total Expenses to Average Net Assets | 0.07%4 | 0.07%4 | 0.07% | 0.07% | 0.07% |
| Ratio of Net Investment Income to Average Net Assets | 2.37% | 2.19% | 1.95% | 2.69% ² | 2.28% |
| Portfolio Turnover Rate ⁵ | 22% | 18% | 17% | 39% | 17% |

1 Calculated based on average shares outstanding.

2 Net investment income per share and the ratio of net investment income to average net assets include \$.187 and 0.35%, respectively, resulting from a special dividend from NortonLifeLock Inc. in February 2020.

3 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.

4 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.07%.

Notes to Financial Statements

Vanguard Mid-Cap Value Index Fund is registered under the Investment Company Act of 1940 as an open-end investment company, or mutual fund. The fund offers three classes of shares: Investor Shares, ETF Shares, and Admiral Shares. Each of the share classes has different eligibility and minimum purchase requirements, and is designed for different types of investors. ETF Shares are listed for trading on NYSE Arca; they can be purchased and sold through a broker.

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 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 valuation designee to represent fair value and subject to oversight by the board of trustees. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value.

2. Futures Contracts: The fund uses index futures contracts to a limited extent, with the objectives of maintaining full exposure to the stock market, 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 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 for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities 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 gains (losses) on futures contracts.

During the year ended December 31, 2023, 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 the notional amounts at each guarter-end during the period.

3. Swap Contracts: The fund has entered into equity swap contracts to earn the total return on selected reference stocks or indexes 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 generally invests an amount approximating the notional amount of the swap in high-quality temporary cash investments.

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's 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 Schedule of Investments. 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.

The notional amounts of swap contracts are not recorded in the Statement of Assets and Liabilities. 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 Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until periodic payments are made or the termination of the swap, at which time realized gain (loss) is recorded.

During the year ended December 31, 2023, 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 virtually all of its taxable income. The fund's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return. Management has analyzed the fund's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the fund's financial statements.

5. Distributions: Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes.

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 before the opening of the market 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 Assets and Liabilities for the return of the collateral, during the period the securities are on loan. Collateral investments in Vanguard Market Liquidity Fund are subject to market appreciation or depreciation. 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 Facilities and Interfund Lending Program: The fund and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes and are subject to the fund's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility, which 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 either facility bear interest at an agreed-upon spread plus the higher of the federal funds effective rate, the overnight bank funding rate, or the Daily Simple Secured Overnight Financing Rate inclusive of an additional agreed-upon spread. However, borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the fund and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the fund may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the fund's investment objective and investment policies. Interfund loans and borrowings normally extend overnight but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the year ended December 31, 2023, the fund did not utilize the credit facilities or the Interfund Lending Program.

8. Other: Dividend income is recorded on the ex-dividend date. Non-cash dividends included in income, if any, are recorded at the fair value of the securities received. Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. 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 and are generally settled twice a month.

Upon the request of Vanguard, the fund may invest up to 0.40% of its net assets as capital in Vanguard. At December 31, 2023, the fund had contributed to Vanguard capital in the amount of \$892,000, representing less than 0.01% of the fund's net assets and 0.36% of Vanguard's capital received pursuant to the FSA. The fund's trustees and officers are also directors and employees, respectively, of Vanguard.

C. The fund's custodian bank has agreed to reduce its fees when the fund maintains cash on deposit in the non-interest-bearing custody account. For the year ended December 31, 2023, custodian fee offset arrangements reduced the fund's expenses by \$18,000 (an annual rate of less than 0.01% of average net assets).

D. Various inputs may be used to determine the value of the fund's investments and derivatives. 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). Any investments and derivatives valued with significant unobservable inputs are noted on the Schedule of Investments.

The following table summarizes the market value of the fund's investments and derivatives as of December 31, 2023, based on the inputs used to value them:

| | Level 1 (\$000) | Level 2 (\$000) | Level 3 (\$000) | Total (\$000) |
|----------------------------------|--------------------|--------------------|--------------------|------------------|
| Investments | | | | |
| Assets | | | | |
| Common Stocks | 28,269,155 | _ | _ | 28,269,155 |
| Temporary Cash Investments | 48,445 | _ | _ | 48,445 |
| Total | 28,317,600 | _ | _ | 28,317,600 |
| Derivative Financial Instruments | | | | |
| Assets | | | | |
| Swap Contracts | _ | 1,365 | _ | 1,365 |
| Liabilities | | | | |
| Futures Contracts ¹ | 145 | _ | _ | 145 |
| Swap Contracts | _ | 1,433 | _ | 1,433 |
| Total | 145 | 1,433 | _ | 1,578 |

1 Includes cumulative appreciation (depreciation) on futures contracts and centrally cleared swaps, if any, as reported in the Schedule of Investments. Only current day's variation margin is reported within the Statement of Assets and Liabilities.

E. Permanent differences between book-basis and tax-basis components of net assets are reclassified among capital accounts in the financial statements to reflect their tax character. These reclassifications have no effect on net assets or net asset value per share. As of period end, permanent differences primarily attributable to the accounting for applicable in-kind redemptions, passive foreign investment companies, and swap agreements were reclassified between the following accounts:

| | Amount (\$000) |
|-------------------------------------|-------------------|
| Paid-in Capital | 1,739,093 |
| Total Distributable Earnings (Loss) | (1,739,093) |

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement and tax purposes; these differences will reverse at some time in the future. The differences are primarily related to capital loss carryforwards; the deferral of losses from wash sales; the recognition of unrealized gains or losses from certain derivative contracts; and the recognition of unrealized gains from passive foreign investment companies. As of period end, the tax-basis components of total distributable earnings (loss) are detailed in the table as follows:

| | Amount (\$000) |
|-------------------------------|-------------------|
| Undistributed Ordinary Income | 6,194 |
| Undistributed Long-Term Gains | — |
| Net Unrealized Gains (Losses) | 6,642,233 |
| Capital Loss Carryforwards | (5,089,380) |
| Qualified Late-Year Losses | - |
| Other Temporary Differences | _ |
| Total | 1,559,047 |

The tax character of distributions paid was as follows:

| | Year Ended D | Year Ended December 31, | |
|-------------------------|---------------------------|---------------------------|--|
| | 2023 Amount (\$000) | 2022 Amount (\$000) | |
| Ordinary Income* | 658,550 | 624,961 | |
| Long-Term Capital Gains | — | _ | |
| Total | 658,550 | 624,961 | |

* Includes short-term capital gains, if any.

As of December 31, 2023, gross unrealized appreciation and depreciation for investments and derivatives based on cost for U.S. federal income tax purposes were as follows:

| | Amount (\$000) |
|--|-------------------|
| Tax Cost | 21,675,367 |
| Gross Unrealized Appreciation | 7,258,712 |
| Gross Unrealized Depreciation | (616,479) |
| Net Unrealized Appreciation (Depreciation) | 6,642,233 |

F. During the year ended December 31, 2023, the fund purchased \$9,677,685,000 of investment securities and sold \$10,976,913,000 of investment securities, other than temporary cash investments. Purchases and sales include \$3,660,931,000 and \$4,522,736,000, respectively, in connection with in-kind purchases and redemptions of the fund's capital shares.

The fund purchased securities from and sold securities to other Vanguard funds or accounts managed by Vanguard or its affiliates, in accordance with procedures adopted by the board of trustees in compliance with Rule 17a-7 of the Investment Company Act of 1940. For the year ended December 31, 2023, such purchases were \$880,257,000 and sales were \$1,457,156,000, resulting in net realized loss of \$526,060,000; these amounts, other than temporary cash investments, are included in the purchases and sales of investment securities noted above.

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

| | | | Year Ended De | cember 31, |
|---|-------------------|-----------------|-------------------|-----------------|
| | | 2023 | | 2022 |
| | Amount (\$000) | Shares (000) | Amount (\$000) | Shares (000) |
| Investor Shares | | | | |
| Issued | 4,382 | 82 | 9,543 | 172 |
| Issued in Lieu of Cash Distributions | 921 | 17 | 970 | 18 |
| Redeemed | (13,103) | (245) | (18,191) | (326) |
| Net Increase (Decrease)—Investor Shares | (7,800) | (146) | (7,678) | (136) |
| ETF Shares | | | | |
| Issued | 3,747,400 | 27,552 | 6,026,513 | 43,603 |
| Issued in Lieu of Cash Distributions | _ | _ | _ | _ |
| Redeemed | (4,532,546) | (33,175) | (4,360,279) | (32,425) |
| Net Increase (Decrease)—ETF Shares | (785,146) | (5,623) | 1,666,234 | 11,178 |
| Admiral Shares | | | | |
| Issued | 1,601,367 | 22,657 | 2,265,008 | 31,170 |
| Issued in Lieu of Cash Distributions | 246,708 | 3,514 | 237,416 | 3,400 |
| Redeemed | (2,418,862) | (34,228) | (2,649,564) | (36,866) |
| Net Increase (Decrease)—Admiral Shares | (570,787) | (8,057) | (147,140) | (2,296) |
| | | | | |

H. Significant market disruptions, such as those caused by pandemics (e.g., COVID-19 pandemic), natural or environmental disasters, war (e.g., Russia's invasion of Ukraine), acts of terrorism, or other events, can adversely affect local and global markets and normal market operations. Any such disruptions could have an adverse impact on the value of the fund's investments and fund performance.

To the extent the fund's investment portfolio reflects concentration in a particular market, industry, sector, country or asset class, the fund may be adversely affected by the performance of these concentrations and may be subject to increased price volatility and other risks.

The use of derivatives may expose the fund to various risks. Derivatives can be highly volatile, and any initial investment is generally small relative to the notional amount so that transactions may be leveraged in terms of market exposure. A relatively small market movement may have a potentially larger impact on derivatives than on standard securities. Leveraged derivatives positions can, therefore, increase volatility. Additional information regarding the fund's use of derivative(s) and the specific risks associated is described under significant accounting policies.

I. Management has determined that no events or transactions occurred subsequent to December 31, 2023, that would require recognition or disclosure in these financial statements.

Report of Independent Registered Public Accounting Firm

To the Board of Trustees of Vanguard Index Funds and Shareholders of Vanguard Extended Market Index Fund, Vanguard Mid-Cap Index Fund, Vanguard Mid-Cap Growth Index Fund and Vanguard Mid-Cap Value Index Fund

Opinions on the Financial Statements

We have audited the accompanying statements of assets and liabilities, including the schedules of investments, of Vanguard Extended Market Index Fund, Vanguard Mid-Cap Index Fund, Vanguard Mid-Cap Growth Index Fund and Vanguard Mid-Cap Value Index Fund (four of the funds constituting Vanguard Index Funds, hereafter collectively referred to as the "Funds") as of December 31, 2023, the related statements of operations for the year ended December 31, 2023, the statements of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of each of the Funds as of December 31, 2023, the results of each of the two years in the period ended December 31, 2023 and each of the financial highlights for each of the changes in each of the financial highlights for each of the period ended December 31, 2023, the results of each of the five years in the period ended December 31, 2023 and each of the financial highlights for each of the changes in each of the financial highlights for each of the five years in the period ended December 31, 2023 and each of the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

Basis for Opinions

These financial statements are the responsibility of the Funds' management. Our responsibility is to express an opinion on the Funds' financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Funds in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodian, transfer agent and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinions.

/s/PricewaterhouseCoopers LLP Philadelphia, Pennsylvania February 15, 2024

We have served as the auditor of one or more investment companies in The Vanguard Group of Funds since 1975.

Tax information (unaudited)

The following percentages, or if subsequently determined to be different, the maximum percentages allowable by law, of ordinary income (dividend income plus short-term gains, if any) for the fiscal year qualified for the dividends-received deduction for corporate shareholders.

| Fund | Percentage |
|----------------------------|------------|
| Extended Market Index Fund | 62.4% |
| Mid-Cap Index Fund | 77.1 |
| Mid-Cap Growth Index Fund | 82.0 |
| Mid-Cap Value Index Fund | 80.8 |

The following amounts, or if subsequently determined to be different, the maximum amounts allowable by law, are hereby designated as qualified dividend income for individual shareholders for the fiscal year.

| Fund | (\$000) |
|----------------------------|-----------|
| Extended Market Index Fund | 838,526 |
| Mid-Cap Index Fund | 1,992,764 |
| Mid-Cap Growth Index Fund | 139,980 |
| Mid-Cap Value Index Fund | 563,390 |

The following amounts, or if subsequently determined to be different, the maximum amounts allowable by law, are hereby designated as interest earned from obligations of the U.S. government which is generally exempt from state income tax.

| Fund | (\$000) |
|----------------------------|---------|
| Extended Market Index Fund | 12,975 |
| Mid-Cap Index Fund | 13,468 |
| Mid-Cap Growth Index Fund | 427 |
| Mid-Cap Value Index Fund | 499 |

The following amounts, or if subsequently determined to be different, the maximum amounts allowable by law, are hereby designated as qualified business income for individual shareholders for the fiscal year.

| Fund | (\$000) |
|----------------------------|---------|
| Extended Market Index Fund | 214,308 |
| Mid-Cap Index Fund | 339,831 |
| Mid-Cap Growth Index Fund | 22,806 |
| Mid-Cap Value Index Fund | 93,843 |

The S&P Completion Index is a product of S&P Dow Jones Indices LLC, a division of S&P Global, or its affiliates ("SPDJI"), and has been licensed for use by Vanguard. Standard & Poor's[®], and S&P[®] are registered trademarks of Standard & Poor's Financial Services LLC, a division of S&P Global ("S&P") and Dow Jones[®] is a registered trademark of Dow Jones Trademark Holdings LLC ("Dow Jones"). The trademarks have been licensed to SPDJI and have been sublicensed for use for certain purposes by Vanguard. Vanguard Extended Market Index Fund is not sponsored, endorsed, sold or promoted by SPDJI, Dow Jones, S&P, any of their respective affiliates (collectively, "S&P Dow Jones Indices"). S&P Dow Jones Indices make no representation or warranty, express or implied, to the owners of the Vanguard Extended Market Fund or any member of the public regarding the advisability of investing in securities generally or in Vanguard Extended Market Fund particularly or the ability of the S&P Completion Index to track general market performance. S&P Dow Jones Indices' only relationship to Vanguard with respect to the S&P Completion Index is the licensing of the Index and certain trademarks, service marks and/or trade names of S&P Dow Jones Indices and/or its licensors. The S&P Completion Index is determined, composed and calculated by S&P Dow Jones Indices without regard to Vanguard or the Vanguard Extended Market Fund. S&P Completion Index. S&P Dow Jones Indices are not responsible for and have not participated in the determination of the prices, and amount of Vanguard Extended Market Fund or in the determination or calculation by which Vanguard Extended Market Fund is to be converted into cash, surrendered or redeemed, as the case may be. S&P Dow Jones Indices have no obligation or liability in connection with the administration, marketing or trading of Vanguard Extended Market Fund or in the determination or calculation by which Vanguard Extended Market Fund or in the determination or calculation by which Vanguard Extended Marke

S&P DOW JONES INDICES DOES NOT GUARANTEE THE ADEQUACY, ACCURACY, TIMELINESS AND/OR THE COMPLETENESS OF THE S&P COMPLETION INDEX OR ANY DATA RELATED THERETO OR ANY COMMUNICATION, INCLUDING BUT NOT LIMITED TO, ORAL OR WRITTEN COMMUNICATION (INCLUDING ELECTRONIC COMMUNICATIONS) WITH RESPECT THERETO. S&P DOW JONES INDICES SHALL NOT BE SUBJECT TO ANY DAMAGES OR LIABILITY FOR ANY ERRORS, OMISSIONS, OR DELAYS THEREIN. S&P DOW JONES INDICES MAKE NO EXPRESS OR IMPLIED WARRANTIES, AND EXPRESSLY DISCLAIMS ALL WARRANTIES, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE OR AS TO RESULTS TO BE OBTAINED BY VANGUARD, OWNERS OF THE VANGUARD EXTENDED MARKET FUND, OR ANY OTHER PERSON OR ENTITY FROM THE USE OF THE S&P COMPLETION INDEX OR WITH RESPECT TO ANY DATA RELATED THERETO. WITHOUT LIMITING ANY OF THE FOREGOING, IN NO EVENT WHATSOEVER SHALL S&P DOW JONES INDICES BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS, TRADING LOSSES, LOST TIME OR GOODWILL, EVEN IF THEY HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, WHETHER IN CONTRACT, TORT, STRICT LIABILITY, OR OTHERWISE. THERE ARE NO THIRD PARTY BENEFICIARIES OF ANY AGREEMENTS OR ARRANGEMENTS BETWEEN S&P DOW JONES INDICES AND VANGUARD, OTHER THAN THE LICENSORS OF S&P DOW JONES INDICES.

The CRSP US Mid Cap Index, CRSP US Mid Cap Growth Index, and CRSP US Mid Cap Value Index (the "Indexes") are products of the Center for Research in Security Prices, LLC ("CRSP"), an affiliate of the University of Chicago ("University"), and have been licensed for use by Vanguard. CRSP[®] is a trademark of CRSP and has been licensed by CRSP for use for certain purposes by Vanguard. Vanguard Mid-Cap Index, Mid-Cap Growth Index, and Mid-Cap Value Index Funds are not sponsored, endorsed, sold, or promoted by CRSP or the University. Neither CRSP nor the University makes any representation or warranty, express or implied, to the owners of Vanguard Mid-Cap Index, Mid-Cap Growth Index, and Mid-Cap Value Index Funds or any member of the public regarding the advisability of investing in securities generally or in Vanguard Mid-Cap Index, Mid-Cap Growth Index, and Mid-Cap Value Index Funds particularly or the ability of the Indexes to track general market performance. The Indexes are determined, composed, and calculated without regard to Vanguard Mid-Cap Index, Mid-Cap Value Index Funds. Neither CRSP nor the University has any obligation to take the needs of Vanguard or Vanguard Mid-Cap Index, Mid-Cap Growth Index, and Mid-Cap Value Index Funds into consideration in determining, composing, or calculating the Indexes. Neither CRSP nor the University is responsible for and has not participated in the determination of the prices and amount of Vanguard Mid-Cap Index, Mid-Cap Growth Index, and Mid-Cap Index, and Mid-Cap Value Index, Mid-Cap Value Index Funds are to be converted into cash, surrendered, or redeemed, as the case may be. Neither CRSP nor the University has

NEITHER CRSP NOR THE UNIVERSITY GUARANTEE THE ADEQUACY, ACCURACY, TIMELINESS AND/OR COMPLETENESS OF THE INDEXES OR ANY DATA RELATED THERETO OR ANY COMMUNICATION, INCLUDING BUT NOT LIMITED TO ORAL OR WRITTEN COMMUNICATION (INCLUDING ELECTRONIC COMMUNICATIONS) WITH RESPECT THERETO. NEITHER CRSP NOR THE UNIVERSITY SHALL BE SUBJECT TO ANY DAMAGES OR LIABILITY FOR ANY ERRORS, OMISSIONS, OR DELAYS THEREIN. NEITHER CRSP NOR THE UNIVERSITY MAKES ANY EXPRESS OR IMPLIED WARRANTIES, AND CRSP AND THE UNIVERSITY EXPRESSLY DISCLAIM ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE OR AS TO RESULTS TO BE OBTAINED BY VANGUARD, OWNERS OF VANGUARD MIDCAP INDEX, MID-CAP GROWTH INDEX, AND MID-CAP VALUE INDEX FUNDS, OR ANY OTHER PERSON OR ENTITY FROM THE USE OF THE INDEXES OR WITH RESPECT TO ANY DATA RELATED THERETO. WITHOUT LIMITING ANY OF THE FOREGOING, IN NO EVENT WHATSOEVER SHALL CRSP OR THE UNIVERSITY BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, TRADING LOSSES, LOST TIME, OR GOODWILL, EVEN IF IT HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, WHETHER IN CONTRACT, TORT, STRICT LIABILITY, OR OTHERWISE. THERE ARE NO THIRD-PARTY BENEFICIARIES OF ANY AGREEMENTS OR ARRANGEMENTS BETWEEN CRSP AND VANGUARD, OTHER THAN THE LICENSORS, IF ANY, OF CRSP.

This page intentionally left blank.

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.

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 208 Vanguard funds.

Information for each trustee and executive officer of the fund appears below. That information, as well as the Vanguard fund count, is as of the date on the cover of this fund report. The mailing address of the trustees and officers is PO. 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

Mortimer J. Buckley

Born in 1969. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chairman of the board (2019-present) of Vanguard and of each of the investment companies served by Vanguard; chief executive officer (2018-present) of Vanguard; chief executive officer, president, and trustee (2018-present) of each of the investment companies served by Vanguard; president and director (2017-present) of Vanguard; and president (2018-present) of Vanguard Marketing Corporation. Chief investment officer (2013-2017). managing director (2002-2017), head of the Retail Investor Group (2006–2012), and chief information officer (2001–2006) of Vanguard. Member of the board of governors of the Investment Company Institute and the board of governors of FINRA.

Independent Trustees

Tara Bunch

Born in 1962. Trustee since November 2021. Principal occupation(s) during the past five years and other experience: head of global operations at Airbnb (2020–present). Vice president of AppleCare (2012–2020). Member of the board of directors of Out & Equal, the advisory board of the University of California, Berkeley School of Engineering, and the advisory board of Santa Clara University's Leavey School of Business.

Emerson U. Fullwood

Born in 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). Former president of the Worldwide Channels Group, Latin America, and Worldwide Customer Service and executive chief staff officer of Developing Markets of Xerox. Executive in residence and 2009-2010 Distinguished Minett Professor at the Rochester Institute of Technology. Member of the board of directors of the University of Rochester Medical Center, the Monroe Community College Foundation, the United Way of Rochester, North Carolina A&T University, Roberts Wesleyan College, and the Rochester Philharmonic Orchestra. Trustee of the University of Rochester.

F. Joseph Loughrey

Born in 1949. Trustee since October 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer (retired 2009) and vice chairman of the board (2008–2009) of Cummins Inc. (industrial machinery). Director of the V Foundation. Member of the advisory council for the College of Arts and Letters at the University of Notre Dame. Chairman of the board of Saint Anselm College.

Mark Loughridge

Born in 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) of IBM (information technology services). Fiduciary member of IBM's Retirement Plan Committee (2004–2013), senior vice president and general manager (2002–2004) of IBM Global Financing, vice president and controller (1998–2002) of IBM, and a variety of other prior management roles at IBM. Member of the Council on Chicago Booth.

Scott C. Malpass

Born in 1962. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: co-founder and managing partner (2022–present) of Grafton Street Partners (investment advisory firm). Chief investment officer (retired 2020) and vice president (retired 2020) of the University of Notre Dame. Chair of the board of Catholic Investment Services, Inc. (investment advisors). Member of the board of superintendence of the Institute for the Works of Religion, the Notre Dame 403(b) Investment Committee, and the board of directors of Paxos Trust Company (finance).

Deanna Mulligan

Born in 1963. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chief executive officer of Purposeful (advisory firm for CEOs and C-level executives; 2021–present). Board chair (2020), chief executive officer (2011–2020), and president (2010–2019) of The Guardian Life Insurance Company of America. Chief operating officer (2010–2011) and executive vice president (2008–2010) of Individual Life and Disability of the Guardian Life Insurance Company of America. Director of DuPont. Member of the board of the Economic Club of New York. Trustee of the Partnership for New York City (business leadership), Chief Executives for Corporate Purpose, and the NewYork-Presbyterian Hospital.

André F. Perold

Born in 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 partner of HighVista Strategies (private investment firm). Member of the board of RIT Capital Partners (investment firm).

Sarah Bloom Raskin

Born in 1961. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: deputy secretary (2014–2017) of the United States Department of the Treasury. Governor (2010–2014) of the Federal Reserve Board. Commissioner (2007–2010) of financial regulation for the State of Maryland. Colin W. Brown Distinguished Professor of the Practice of Law, Duke Law School (2021–present); Rubenstein Fellow, Duke University (2017–2020); Distinguished Fellow of the Global Financial Markets Center, Duke Law School (2020–2022); and Senior Fellow, Duke Center on Risk (2020–present). Partner of Kaya Partners (climate policy advisory services). Member of the board of directors of Arcadia (energy solution technology).

Grant Reid

Born in 1959. Trustee since July 2023. Principal occupation(s) during the past five years and other experience: chief executive officer and president (2014–2022) and member of the board of directors (2015–2022) of Mars, Incorporated (multinational manufacturer). Member of the board of directors of Marriott International, Inc. Chair of Agribusiness Task Force, Sustainable Markets Initiative.

David Thomas

Born in 1956. Trustee since July 2021. Principal occupation(s) during the past five years and other experience: president of Morehouse College (2018–present). Professor of business administration, emeritus at Harvard University (2017–2018). Dean (2011–2016) and professor of management (2016–2017) at the Georgetown University McDonough School of Business. Director of DTE Energy Company. Trustee of Common Fund.

Peter F. Volanakis

Born in 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) and director of Corning Incorporated (2000–2010) and Dow Corning (2001–2010). Director (2012) of SPX Corporation (multi-industry manufacturing). Overseer of the Amos Tuck School of Business Administration, Dartmouth College (2001–2013). Member of the BMW Group Mobility Council.

Executive Officers

Jacqueline Angell

Born in 1974. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief compliance officer (November 2022–present) of Vanguard and of each of the investment companies served by Vanguard. Chief compliance officer (2018–2022) and deputy chief compliance officer (2017–2019) of State Street.

Christine M. Buchanan

Born in 1970. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief financial officer (2021–present) and treasurer (2017–2022) of each of the investment companies served by Vanguard. Partner (2005–2017) at KPMG (audit, tax, and advisory services).

John Galloway

Born in 1973. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Investment stewardship officer (September

2020–present) of each of the investment companies served by Vanguard. Head of Investor Advocacy (February 2020–present) and head of Marketing Strategy and Planning (2017–2020) at Vanguard. Special assistant to the President of the United States (2015).

Ashley Grim

Born in 1984. Principal occupation(s) during the past five years and other experience: treasurer (February 2022–present) of each of the investment companies served by Vanguard. Fund transfer agent controller (2019–2022) and director of Audit Services (2017–2019) at Vanguard. Senior manager (2015–2017) at PriceWaterhouseCoopers (audit and assurance, consulting, and tax services).

Jodi Miller

Born in 1980. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Finance director (2022–present) of each of the investment companies served by Vanguard. Head of Enterprise Investment Services (2020–present), head of Retail Client Services and Operations (2020–2022), and head of Retail Strategic Support (2018–2020) at Vanguard.

Anne E. Robinson

Born in 1970. Principal occupation(s) during the past five years and other experience: general counsel (2016–present) of Vanguard. Secretary (2016–present) of Vanguard and of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Managing director and general counsel of Global Cards and Consumer Services (2014–2016) at Citigroup. Counsel (2003–2014) at American Express. Nonexecutive director (2022–present) of the board of National Grid (energy).

Michael Rollings

Born in 1963. Principal occupation(s) during the past five years and other experience: finance director (2017–present) and treasurer (2017) of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Chief financial officer (2016–present) of Vanguard. Director (2016–present) of Vanguard Marketing Corporation. Executive vice president and chief financial officer (2006–2016) of MassMutual Financial Group.

Vanguard Senior Management Team

| Matthew Benchener | Thomas M. Rampulla |
|---------------------|--------------------|
| Joseph Brennan | Karin A. Risi |
| Mortimer J. Buckley | Anne E. Robinson |
| Gregory Davis | Michael Rollings |
| John James | Nitin Tandon |
| Chris D. McIsaac | Lauren Valente |

Vanguard

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 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, www.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 www.sec.gov.

You can review information about your fund on the SEC's website, and you can receive copies of this information, for a fee, by sending a request via email addressed to publicinfo@sec.gov.

Source for Bloomberg indexes: Bloomberg Index Services Limited. Copyright 2024, Bloomberg. All rights reserved.

© 2024 The Vanguard Group, Inc. All rights reserved. Vanguard Marketing Corporation, Distributor.

0980 022024