Vanguard

Annual Report | December 31, 2023

Vanguard Total Stock Market 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.

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Your Fund's Performance at a Glance

• For the 12 months ended December 31, 2023, returns for Vanguard Total Stock Market Index Fund ranged from 25.89% for Investor Shares to 26.05% for Institutional Select Shares.

• The fourth quarter of 2023 was a volatile period for the financial markets. Stocks and bonds continued to lose ground early on amid concerns that interest rates might remain elevated for an extended period. They went on to post strong gains, however, as inflation remained on a downward trend and economic growth softened, leading the markets to anticipate that policy rates had reached their peak and that cuts were likely not too far down the road.

• The fund, which offers investors exposure to every segment, size, and style of the U.S. equity market, closely tracked its target index, the CRSP US Total Market Index.

• The majority of the index's 11 sectors recorded positive returns for the 12 months. Consumer discretionary, consumer staples, and energy stocks helped performance the most.

	Pe	Average Annual Total Returns Periods Ended December 31, 2023			
	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		
CPI					
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

	Beginning Account Value 6/30/2023	Ending Account Value 12/31/2023	Expenses Paid During Period
Based on Actual Fund Return			
Total Stock Market Index Fund			
Investor Shares	\$1,000.00	\$1,084.10	\$0.74
ETF Shares	1,000.00	1,084.80	0.16
Admiral™ Shares	1,000.00	1,084.70	0.21
Institutional Shares	1,000.00	1,084.70	0.16
Institutional Plus Shares	1,000.00	1,084.80	0.11
Institutional Select Shares	1,000.00	1,084.80	0.05
Based on Hypothetical 5% Yearly Return			
Total Stock Market Index Fund			
Investor Shares	\$1,000.00	\$1,024.50	\$0.71
ETF Shares	1,000.00	1,025.05	0.15
Admiral Shares	1,000.00	1,025.00	0.20
Institutional Shares	1,000.00	1,025.05	0.15
Institutional Plus Shares	1,000.00	1,025.10	0.10
Institutional Select Shares	1,000.00	1,025.15	0.05

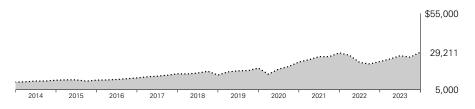
The calculations are based on expenses incurred in the most recent six-month period. The fund's annualized six-month expense ratios for that period are: 0.14% for Investor Shares, 0.03% for ETF Shares, 0.04% for Admiral Shares, 0.03% for Institutional Shares, 0.02% for Institutional Plus Shares, and 0.01% for Institutional Select Shares. The dollar amounts shown as "Expenses Paid" are equal to the annualized expense ratio multiplied by the average account value over the period, multiplied by the number of days in the most recent 12-month period (184/365).

Total Stock 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



	Average Annual Total Returns Periods Ended December 31, 2023			
	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Total Stock Market Index Fund Investor Shares	25.89%	14.95%	11.32%	\$29,211
······ CRSP US Total Market Index	25.98	15.08	11.44	29,545

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Total Stock Market Index Fund ETF Shares Net Asset Value	26.03%	15.07%	11.44%	\$29,530
Total Stock Market Index Fund ETF Shares Market Price	26.11	15.09	11.44	29,546
CRSP US Total Market Index	25.98	15.08	11.44	29,545

See Financial Highlights for dividend and capital gains information.

	Avera Periods Er			
	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Total Stock Market Index Fund Admiral Shares	26.01%	15.07%	11.43%	\$29,511
CRSP US Total Market Index	25.98	15.08	11.44	29,545

	One Year	Five Years	Ten Years	Final Value of a \$5,000,000 Investment
Total Stock Market Index Fund Institutional Shares	26.02%	15.08%	11.44%	\$14,770,565
CRSP US Total Market Index	25.98	15.08	11.44	14,772,640

	One Year	Five Years	Since Inception (4/28/2015)	Final Value of a \$100,000,000 Investment
Total Stock Market Index Fund Institutional Plus Shares	26.03%	15.09%	11.29%	\$253,032,140
CRSP US Total Market Index	25.98	15.08	11.28	252,780,380

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

	One Year	Five Years	Since Inception (6/27/2016)	Final Value of a \$5,000,000,000 Investment
Total Stock Market Index Fund Institutional Select Shares	26.05%	15.10%	13.88%	\$13,269,271,000
CRSP US Total Market Index	25.98	15.08	13.85	13,249,208,500

"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
Total Stock Market Index Fund ETF Shares Market Price	26.11%	101.91%	195.46%
Total Stock Market Index Fund ETF Shares Net Asset Value	26.03	101.77	195.30
CRSP US Total Market Index	25.98	101.85	195.45

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	2.0%
Consumer Discretionary	14.5
Consumer Staples	4.7
Energy	4.1
Financials	10.8
Health Care	12.1
Industrials	13.1
Real Estate	3.0
Technology	31.1
Telecommunications	2.0
Utilities	2.6

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.

The Industry Classification Benchmark ("ICB") is owned by FTSE. FTSE does not accept any liability to any person for any loss or damage arising out of any error or omission in the ICB.

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 (99.7%)				Commercial Metals		
Basic Materials (2.0%)				Co.	3,662,937	183,293
Linde plc	15,215,421	6,249,126		Element	7000 700	107007
Freeport-	10,210,121	0,210,120		Solutions Inc.	7,229,788	167,297
McMoRan Inc.	45,082,646	1,919,168		Timken Co.	2,004,759	160,681
Air Products and	-,,			Boise Cascade Co.	1,241,371	160,584
Chemicals Inc.	6,979,284	1,910,928		Mueller	0 000 170	
Ecolab Inc.	8,053,649	1,597,441		Industries Inc.	3,390,170	159,847
Newmont Corp.	36,198,394	1,498,252	~	Valvoline Inc.	4,119,701	154,818
Nucor Corp.	7,718,789	1,343,378		Balchem Corp.	1,012,353	150,587
Dow Inc.	22,036,942	1,208,506		Cabot Corp.	1,763,060	147,215
Fastenal Co.	17,917,428	1,160,512		Chemours Co.	4,653,687	146,777
LyondellBasell	,	.,		Westlake Corp.	1,000,421	140,019
Industries NV				Huntsman Corp.	5,311,450	133,477
Class A	8,127,069	772,722		Ashland Inc.	1,467,336	123,711
International Flavors				NewMarket Corp.	224,986	122,804
& Fragrances Inc.	8,010,123	648,580		Avient Corp.	2,861,511	118,953
Steel Dynamics Inc.	4,832,756	570,748		Carpenter Technolog		
¹ Albemarle Corp.	3,684,336	532,313		Corp.	1,463,624	103,625
Celanese Corp.			*,1	Livent Corp.	5,630,396	101,235
Class A	3,416,179	530,772		Innospec Inc.	778,885	95,990
Avery Dennison				Quaker Chemical		
Corp.	2,526,465	510,750		Corp.	424,919	90,686
Reliance Steel &			*	MP Materials Corp.	4,501,073	89,346
Aluminum Co.	1,798,844	503,101		Hecla Mining Co.	18,440,684	88,700
CF Industries				Sensient		
Holdings Inc.	5,986,618	475,936		Technologies Corp.	1,320,575	87,158
International Paper				Materion Corp.	647,108	84,208
Co.	10,843,662	391,998		Scotts Miracle-Gro		
Mosaic Co.	10,297,765	367,939		Co.	1,318,584	84,060
Eastman Chemical	0 700 505	004 470	~	Uranium Energy	11 00 4 170	75 075
Co.	3,720,535	334,178		Corp.	11,824,178	75,675
* Cleveland-Cliffs Inc.	15,908,609	324,854		Minerals Technologies Inc.	1 010 510	72,701
United States Steel	0.004.005	005 750		0	1,019,510	,
Corp.	6,284,695	305,750		Stepan Co.	666,767	63,043
* RBC Bearings Inc.	912,100	259,848		Sylvamo Corp.	1,141,927	56,080
Royal Gold Inc.	2,060,474	249,235	*	Tronox Holdings plc	3,731,007	52,831
FMC Corp.	3,919,469	247,123		Ingevity Corp.	1,026,403	48,467
UFP Industries Inc.	1,836,357	230,555	*	Hawkins Inc.	588,517	41,443
Olin Corp.	3,848,168	207,609	-	Coeur Mining Inc.	11,385,405	37,116
Hexcel Corp.	2,646,399	195,172		Kaiser Aluminum	E00 040	
Alcoa Corp.	5,603,401	190,516	*,1	Corp.	500,346	35,620
			, '	Energy Fuels Inc.	4,709,210	33,859

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	Compass Minerals			*	Culp Inc.	296,017	1,714
	International Inc.	1,294,205	32,769	*	Perma-Pipe	290,017	1,714
	Ryerson Holding	010 000	01 500		International	202.025	1 500
	Corp.	910,099	31,562		Holdings Inc.	203,835	1,588
	Koppers	600.001	20 770	* *	Gold Resource Corp.	3,809,091	1,432
*	Holdings Inc.	600,901	30,778	*,1	5E Advanced	005 074	1 000
*	TimkenSteel Corp.	1,299,552	30,474	*,1	Materials Inc.	965,874	1,362
	Ecovyst Inc.	3,093,311	30,222	", I *	Comstock Inc.	2,159,157	1,183
	Worthington Steel Inc.	1 000 000	20 741		Ascent Industries Co	. 120,516	1,152
		1,022,823	28,741	*,1	Hycroft Mining		
*	Mativ Holdings Inc.	1,711,358	26,201		Holding Corp. Class A	460,846	1,129
	US Silica	2 202 047	25.042	*	Ampco-Pittsburgh	400,840	1,125
	Holdings Inc.	2,293,847	25,943		Corp.	366,153	1,000
	AdvanSix Inc. Schnitzer Steel	806,395	24,160	*	CPS Technologies	300,155	1,000
	Industries Inc.				Corp.	412,694	970
	Class A	765,690	23,093	*,1	Contango ORE Inc.	53,430	968
*,1	LanzaTech Global Inc.		22,255	*,1	Westwater	55,450	500
,	Haynes	4,424,472	22,200		Resources Inc.	1,414,240	799
	International Inc.	351,719	20,066	*	US Gold Corp.	174,184	740
*	Century Aluminum	001,710	20,000	*	Solitario Resources	174,104	740
	Co.	1,585,067	19,243		Corp.	1,173,263	657
	Olympic Steel Inc.	285,467	19,041	*	United States	1,170,200	007
*	Clearwater Paper	200,107	10,011		Antimony Corp.	2,524,776	629
	Corp.	486,081	17,557		United-Guardian Inc.	75,085	541
*	LSB Industries Inc.	1,753,855	16,328		Flexible Solutions	, 0,000	011
*,1	Piedmont	1,700,000	10,020		International Inc.	277,169	529
	Lithium Inc.	564,685	15,941		Chicago Rivet &	,	
	GrafTech		,		Machine Co.	28,369	482
	International Ltd.	5,984,730	13,107	*	Paramount Gold		
*,1	Ur-Energy Inc.	8,257,023	12,716		Nevada Corp.	1,223,263	459
	American Vanguard	-, -,	, -	*,1	NioCorp		
	Corp.	890,572	9,770		Developments Ltd.	103,592	330
*	Northwest Pipe Co.	283,882	8,590	*	TechPrecision Corp.	3,764	19
*	Rayonier Advanced					_	28,706,048
	Materials Inc.	2,021,725	8,188	Cons	sumer Discretionary (14 4%)	20,700,040
*,1	American Battery			*		291,936,043	44,356,762
	Technology Co.	1,618,965	7,593	*	Tesla Inc.	84,816,985	21,075,324
*	Alto Ingredients Inc.	2,655,238	7,063		Home Depot Inc.	31,218,717	10,818,846
*	Intrepid Potash Inc.	295,437	7,058		Costco Wholesale	51,210,717	10,010,040
	Omega Flex Inc.	89,349	6,300		Corp.	13,892,935	9,170,449
*,1	NN Inc.	1,558,286	6,233		Walmart Inc.	46,447,762	7,322,490
	FutureFuel Corp.	789,526	4,800		McDonald's Corp.	22,754,516	6,746,942
*	Universal Stainless &			*	Netflix Inc.	13,739,236	6,689,359
	Alloy Products Inc.	231,105	4,641		Walt Disney Co.	57,449,775	5,187,140
	Tredegar Corp.	804,870	4,354		NIKE Inc. Class B	38,409,213	4,170,088
*,1	Dakota Gold Corp.	1,569,599	4,112		Lowe's Cos. Inc.	18,036,282	
	Eastern Co.	163,220	3,591	*		10,030,202	4,013,975
	Northern				Booking Holdings Inc.	1 094 935	3 883 975
	Technologies			*	Uber	1,094,935	3,883,975
	International Corp.	303,498	3,575		Technologies Inc.	61,378,590	3,779,080
*	Unifi Inc.	515,832	3,435		Starbucks Corp.	35,668,244	3,424,508
	Friedman				TJX Cos. Inc.		3,424,508 3,364,563
	Industries Inc.	206,261	3,189		Target Corp.	35,865,717	
	Origin Materials Inc.	3,032,849	2,536	*	Chipotle Mexican	14,503,189	2,065,544
*,1	•						
*,1 *	Glatfelter Corp.	1,272,895	2,469			861 707	1 970 690
*,1 * *	•	1,272,895	2,469		Grill Inc. Class A	861,707	1,970,689

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	Lululemon			*	Live Nation		
	Athletica Inc. Marriott	3,621,016	1,851,389	*	Entertainment Inc. DraftKings Inc.	5,052,970	472,958
	International Inc.				Class A	13,217,995	465,934
	Class A	7,831,299	1,766,036		Pool Corp.	1,147,912	457,684
*	O'Reilly				Domino's Pizza Inc.	1,094,404	451,146
	Automotive Inc.	1,856,750	1,764,061	*	United Airlines		
*	Airbnb Inc. Class A	11,603,011	1,579,634		Holdings Inc.	10,224,231	421,852
	General Motors Co.	42,988,371	1,544,142		Williams-		
	Ford Motor Co.	123,346,777	1,503,597		Sonoma Inc.	2,012,187	406,019
	Ross Stores Inc.	10,632,855	1,471,481		LKQ Corp.	8,351,964	399,140
	Hilton Worldwide				Rollins Inc.	9,124,902	398,484
	Holdings Inc.	8,044,785	1,464,875	*	Burlington Stores Inc	. 2,034,277	395,626
*	AutoZone Inc.	553,650	1,431,523		Interpublic Group of		
	DR Horton Inc.	8,890,780	1,351,221		Cos. Inc.	12,043,183	393,089
*	Copart Inc.	27,162,623	1,330,969	*	Liberty Media		
	Electronic Arts Inc.	8,428,919	1,153,160		CorpLiberty		
	Yum! Brands Inc.	8,615,694	1,125,727		Formula One	6 077070	202 645
	Lennar Corp. Class A	7,200,290	1,073,131		Class C	6,077,070	383,645
	Estee Lauder Cos.			*	RB Global Inc.	5,710,362	381,966
	Inc. Class A	6,943,908	1,015,547	*	CarMax Inc. MGM Resorts	4,955,768	380,306
*	Trade Desk Inc.	40,000,500	1 000 015		International	8,085,523	361,261
	Class A	13,988,530	1,006,615	*	Five Below Inc.	1,666,492	355,229
,	Dollar General Corp.	6,882,039	935,613	*	Floor & Decor	1,000,492	333,229
÷	Dollar Tree Inc.	6,559,655	931,799		Holdings Inc.		
*	Royal Caribbean	0.001.005	004.005		Class A	3,162,187	352,774
*	Cruises Ltd.	6,831,605	884,625		News Corp. Class A	14,006,314	343,855
	Take-Two Interactive Software Inc.	5,345,755	860,399		Toll Brothers Inc.	3,331,799	342,476
	Delta Air Lines Inc.	20,229,400	813,829		Bath & Body	.,,	
*	Aptiv plc	8,870,401	795,852		Works Inc.	7,168,673	309,400
*	Warner Bros	0,070,401	755,052	*	Etsy Inc.	3,773,821	305,868
	Discovery Inc.	68,851,450	783,530		Service Corp.		
*	Ulta Beauty Inc.	1,542,479	755,799		International	4,406,219	301,606
	Tractor Supply Co.	3,384,809	727,835	*	Caesars		
	eBay Inc.	16,296,611	710,858		Entertainment Inc.	6,410,374	300,518
*	ROBLOX Corp.	-,,-	-,		Churchill Downs Inc.	2,114,407	285,297
	Class A	15,333,999	701,070		Lithia Motors Inc.		005 107
	PulteGroup Inc.	6,770,519	698,853	*	Class A	865,940	285,137
*	NVR Inc.	94,646	662,565		BJ's Wholesale Club Holdings Inc.	4 200 555	200 542
*	Expedia Group Inc.	4,184,092	635,103	*	American Airlines	4,208,555	280,542
	Darden				Group Inc.	20,378,081	279,995
	Restaurants Inc.	3,778,732	620,846		Wynn Resorts Ltd.	3,030,566	276,115
	Garmin Ltd.	4,799,393	616,914	*,1	Norwegian Cruise	0,000,000	270,110
	Genuine Parts Co.	4,399,266	609,298		Line Holdings Ltd.	13,328,790	267,109
	Las Vegas Sands				BorgWarner Inc.	7,382,471	264,662
	Corp.	11,991,371	590,095	*	Skechers USA Inc.	.,,	
*	Carnival Corp.	31,549,608	584,930		Class A	4,217,465	262,917
*,1	Rivian				Tapestry Inc.	7,111,533	261,776
	Automotive Inc.	22.050.600	EC0 071		Tempur Sealy		
	Class A	23,958,696	562,071		International Inc.	5,132,344	261,596
	Southwest Airlines	10 726 000	E40 900		Lear Corp.	1,833,914	258,967
*	Co. Deckers Outdoor	18,726,088	540,809		Texas Roadhouse Inc		
	Corp.	807,182	539,545		Class A	2,095,682	256,155
	Omnicom Group Inc.		535,585		Dick's Sporting		
	Best Buy Co. Inc.	6,139,256	480,581		Goods Inc.	1,739,677	255,646
		0,.00,200			Vail Resorts Inc.	1,186,089	253,194

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	Duolingo Inc. Class A		242,963	*	Lyft Inc. Class A	10,359,046	155,282
	Gentex Corp. New York Times Co.	7,327,970	239,332		Ollie's Bargain Outlet Holdings Inc.	1,953,676	148,264
	Class A	4,875,072	238,830		Harley-Davidson Inc.	3,968,673	146,206
*	elf Beauty Inc.	1,652,157	238,472		Lennar Corp. Class B	1,090,413	146,170
	Wingstop Inc.	918,383	235,639	*	Asbury Automotive	1,000,110	110,170
	Fox Corp. Class A	7,930,900	235,310		Group Inc.	646,341	145,407
1	Paramount Global	1,000,000	200,010		Signet Jewelers Ltd.	1,355,058	145,344
	Class B	15,711,631	232,375	*,1	GameStop Corp.		
	PVH Corp.	1,900,473	232,086		Class A	8,108,822	142,148
*	Light & Wonder Inc.	2,812,778	230,957		KB Home	2,260,447	141,188
	Aramark	8,180,487	229,872	*	YETI Holdings Inc.	2,722,296	140,960
*	SiteOne Landscape				Warner Music Group		
	Supply Inc.	1,411,044	229,295		Corp. Class A	3,907,597	139,853
	H&R Block Inc.	4,473,759	216,396	*	RH	465,212	135,600
	U-Haul Holding Co.				Boyd Gaming Corp.	2,132,494	133,515
	(XNYS)	3,069,293	216,201	*	Abercrombie & Fitch	4 400 0 40	101 000
	Murphy USA Inc.	598,740	213,487	*	Co. Class A	1,488,248	131,293
	Hasbro Inc.	4,131,857	210,973		Goodyear Tire & Rubber Co.	0 004 505	127,226
*	Mattel Inc.	11,159,843	210,698	*	Penn	8,884,505	127,220
	Whirlpool Corp.	1,718,083	209,211		Entertainment Inc.	4,788,112	124,587
	Wyndham Hotels &	0 577010	207202	*	Grand Canvon	4,700,112	124,007
	Resorts Inc.	2,577,810	207,282		Education Inc.	938,607	123,934
	VF Corp. Meritage Homes	10,997,472	206,752		Group 1	,	-,
	Corp.	1,145,598	199,563		Automotive Inc.	405,097	123,449
*	Planet Fitness Inc.	1,140,000	100,000	*,1	Lucid Group Inc.	29,302,260	123,363
	Class A	2,703,668	197,368		Gap Inc.	5,855,107	122,430
	Thor Industries Inc.	1,593,564	188,439	*	Skyline Champion		
*	Capri Holdings Ltd.	3,629,883	182,365		Corp.	1,636,945	121,560
	Hyatt Hotels Corp.				American Eagle		
	Ćlass A	1,396,805	182,157	,	Outfitters Inc.	5,651,108	119,577
	Macy's Inc.	8,588,334	172,797		M/I Homes Inc.	824,931	113,626
*	Taylor Morrison				Advance Auto	1 052 042	112 140
	Home Corp. Class A		171,452	*	Parts Inc.	1,853,842	113,140
*,1	Carvana Co. Class A	3,232,170	171,111		Visteon Corp. Kontoor Brands Inc.	880,378 1,760,230	109,959 109,874
*	Wayfair Inc. Class A	2,765,509	170,632		Wendy's Co.	5,577,948	103,874
*	Bright Horizons				Newell Brands Inc.	12,511,597	108,601
	Family Solutions Inc.	1,808,279	170,412	*	Madison Square	12,011,007	100,001
*	Crocs Inc.	1,785,218	166,757		Garden Sports Corp.	. 584,597	106,297
	Ralph Lauren Corp.	1,705,210	100,757		Fox Corp. Class B	3,842,897	106,256
	Class A	1,123,334	161,985	*	Tri Pointe Homes Inc.		105,636
*	Liberty Media	1,120,001	101,000		Leggett & Platt Inc.	3,961,707	103,678
	CorpLiberty				MDC Holdings Inc.	1,860,184	102,775
	SiriusXM	5,594,991	161,024		Penske Automotive		
	Polaris Inc.	1,697,142	160,838		Group Inc.	635,305	101,973
*	AutoNation Inc.	1,069,274	160,584		Kohl's Corp.	3,555,381	101,968
	Nexstar Media				Endeavor Group		
	Group Inc. Class A	1,008,662	158,108		Holdings Inc.	4 000 101	101 711
	TKO Group				Class A	4,286,164	101,711
	Holdings Inc.	1 024 052	157700	1	Avis Budget	566 500	100 424
	Class A Academy Sports &	1,934,052	157,780	1	Group Inc. Sirius XM	566,589	100,434
	Outdoors Inc.	2,370,224	156,435		Holdings Inc.	18,293,199	100,064
*	Alaska Air Group Inc.	3,991,774	155,959	*	Hilton Grand	. 0,200,100	
*	Coty Inc. Class A	12,536,072	155,698		Vacations Inc.	2,408,429	96,771
		-,,					

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
1	Choice Hotels			*	Victoria's Secret &		
	International Inc.	853,277	96,676		Co.	2,474,298	65,668
	LCI Industries	758,619	95,366	*	Coursera Inc.	3,383,851	65,545
	TEGNA Inc.	6,201,334	94,880		Strategic		
	Steven Madden Ltd.	2,223,926	93,405		Education Inc.	695,725	64,264
	Foot Locker Inc.	2,934,761	91,418		MillerKnoll Inc.	2,389,159	63,743
*	Helen of Troy Ltd.	753,216	90,996	*	Topgolf Callaway		
*	Fox Factory Holding Corp.	1,325,531	89,447	*	Brands Corp. Peloton	4,360,870	62,535
*	Frontdoor Inc.	2,520,956	88,788		Interactive Inc.		
	Rush Enterprises Inc.				Class A	10,078,477	61,378
	Class A	1,739,141	87,479		Laureate	4 4 40 407	00.000
*	Shake Shack Inc.				Education Inc.	4,443,437	60,920
	Class A	1,171,622	86,841		Brinker International Inc.	1 206 100	60 294
*	Cavco Industries Inc.	245,145	84,972		Dana Inc.	1,396,109 4,108,493	60,284 60,025
	Marriott Vacations		~~ ~~~	*	ACV Auctions Inc.	4,100,495	00,025
	Worldwide Corp.	987,026	83,789		Class A	3,958,132	59,966
	Red Rock Resorts Inc. Class A	1 562 204	02 275	*	ODP Corp.	1,061,778	59,778
*	LGI Homes Inc.		83,375		Acushnet Holdings	1,001,770	00,770
		624,713	83,187		Corp.	936,380	59,151
	Columbia Sportswear Co.	1,044,393	83,071	*	Under Armour Inc.		
	Century	1,044,000	03,071		Class A	6,728,843	59,147
	Communities Inc.	911,199	83,047		PriceSmart Inc.	779,637	59,081
	Travel + Leisure Co.	2,102,095	82,171		Worthington		
	Carter's Inc.	1,071,982	80,281		Enterprises Inc.	1,023,702	58,914
	Inter Parfums Inc.	554,419	79,842	*	Dave & Buster's		50.000
	Papa John's			*	Entertainment Inc.	1,082,554	58,296
	International Inc.	1,022,129	77,917		SeaWorld Entertainment Inc.	1 102 240	50 221
*	Stride Inc.	1,292,903	76,760	*	Liberty Media	1,102,240	58,231
*,1	Chewy Inc. Class A	3,241,899	76,606		CorpLiberty Live		
	Bloomin' Brands Inc.	2,715,267	76,435		Class C	1,554,885	58,137
	Graham Holdings Co.				HNI Corp.	1,388,187	58,068
	Class B	107,268	74,714	*	JetBlue Airways		
	Liberty Media CorpLiberty				Corp.	10,415,483	57,806
	Formula One			1	Spirit Airlines Inc.	3,443,142	56,433
	Class A	1,288,116	74,685	*	Six Flags		
*	Urban Outfitters Inc.	2,061,943	73,591		Entertainment Corp.		55,780
*	Boot Barn			1	Nordstrom Inc.	3,002,654	55,399
	Holdings Inc.	935,012	71,772	*	Gentherm Inc.	1,050,070	54,982
*	Dorman			1	Sabre Corp.	12,271,698	53,995
	Products Inc.	838,766	69,961		Cracker Barrel Old Country Store Inc.	697,023	53,727
*	TripAdvisor Inc.	3,247,375	69,916		Jack in the Box Inc.	647,278	52,837
*	PowerSchool			*	Knowles Corp.	2,918,825	52,037
	Holdings Inc. Class A	2,956,909	69,665	*	National Vision	2,010,020	52,270
*	SkyWest Inc.	1,323,803	69,103		Holdings Inc.	2,480,050	51,907
*	Adtalem Global	1,525,005	05,105	*	OPENLANE Inc.	3,458,235	51,216
	Education Inc.	1,171,522	69,061		Cheesecake	.,,====	. ,
*	Liberty Media	,,022	,001		Factory Inc.	1,461,258	51,159
	CorpLiberty			*,1	Dutch Bros Inc.		
	SiriusXM Class A	2,395,862	68,857		Class A	1,610,682	51,010
*,1	QuantumScape Corp.			*	Atlanta Braves		
	Class A	9,885,651	68,705		Holdings Inc.	1 071 001	E0 220
*	Sonos Inc.	4,006,896	68,678		Class C	1,271,801	50,338
	Winnebago Industries Inc.	012.000	66 600		La-Z-Boy Inc.	1,353,831	49,983
	muustnes Inc.	913,869	66,603				

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	Green Brick				Perdoceo Education		
	Partners Inc.	941,204	48,886		Corp.	1,951,264	34,264
*	Cinemark				Camping World		
	Holdings Inc.	3,425,246	48,262		Holdings Inc.		
	Oxford Industries Inc.	473,074	47,307		Class A	1,302,180	34,195
*	Hanesbrands Inc.	10,584,496	47,207		Caleres Inc.	1,065,952	32,757
	Upbound Group Inc.	1,387,144	47,121	*	Malibu Boats Inc.		
*	Vista Outdoor Inc.	1,572,544	46,500		Class A	588,972	32,287
1	Levi Strauss & Co.			*	iRobot Corp.	833,053	32,239
	Class A	2,790,822	46,160	*	Beazer Homes		
*	Under Armour Inc.				USA Inc.	931,444	31,473
	Class C	5,451,414	45,519		Scholastic Corp.	809,222	30,508
*	Udemy Inc.	3,042,528	44,816	*	Sweetgreen Inc.		
	Phinia Inc.	1,463,395	44,326		Class A	2,692,782	30,428
	Buckle Inc.	931,987	44,288	*	American Axle &		
*	Rover Group Inc.				Manufacturing		
	Class A	4,060,625	44,180		Holdings Inc.	3,422,003	30,148
*	PROG Holdings Inc.	1,421,236	43,930		Everi Holdings Inc.	2,607,749	29,389
*	Sally Beauty			*	Sphere	000 077	00.007
	Holdings Inc.	3,300,748	43,834	,	Entertainment Co.	862,977	29,307
*	Central Garden & Pet			*	Arlo Technologies Inc.		28,801
	Co. Class A	994,212	43,785		Monro Inc.	979,030	28,725
*	G-III Apparel Group				Monarch Casino &		
	Ltd.	1,287,921	43,764	*	Resort Inc.	414,055	28,632
	John Wiley &				Chico's FAS Inc.	3,692,504	27,989
	Sons Inc. Class A	1,327,396	42,132	*,1	Figs Inc. Class A	4,002,813	27,820
1	Krispy Kreme Inc.	2,735,545	41,279	1	Hibbett Inc.	372,701	26,842
	News Corp. Class B	1,592,765	40,966	*,1	Mister Car Wash Inc.	3,063,543	26,469
	Allegiant Travel Co.	493,502	40,768	*,1	Luminar		
*	Hertz Global				Technologies Inc.	7700 050	00.007
	Holdings Inc.	3,853,393	40,037	* 1	Class A	7,726,058	26,037
1	Dillard's Inc. Class A	97,101	39,195	*,1	Lions Gate		
*	Integral Ad Science				Entertainment Corp. Class A	2,384,374	25,990
	Holding Corp.	2,719,909	39,139	*	Driven Brands	2,004,074	20,000
*	Beyond Inc.	1,406,301	38,940		Holdings Inc.	1,801,573	25,690
*,1	AMC Entertainment				Golden	1,001,070	20,000
	Holdings Inc.	0.005.070	00 714		Entertainment Inc.	638,631	25,501
*	Class A	6,325,872	38,714	*	MarineMax Inc.	651,461	25,342
	Chegg Inc.	3,373,772	38,326	*	Central Garden & Pet	001,101	20,012
	Winmark Corp.	90,427	37,758		Co.	503,252	25,218
	Cars.com Inc.	1,982,139	37,601		Sonic		
	Steelcase Inc.	0 700 E 40	27502		Automotive Inc.		
*	Class A	2,780,543	37,593		Class A	444,708	24,997
*	Leslie's Inc.	5,395,474	37,283		Sturm Ruger & Co.		
	Lions Gate Entertainment Corp.				Inc.	549,209	24,962
	Class B	3,609,636	36,782	*	BJ's Restaurants Inc.	690,579	24,868
*	Madison Square	0,000,000	00,702	*	Portillo's Inc. Class A	1,511,719	24,082
	Garden				Gray Television Inc.	2,622,613	23,499
	Entertainment Corp.			*,1	Cava Group Inc.	544,510	23,403
	Class A	1,109,809	35,281		Ethan Allen		
*	XPEL Inc.	654,711	35,256		Interiors Inc.	705,592	22,522
*	Life Time Group	,.			Dine Brands		
	Holdings Inc.	2,286,887	34,486		Global Inc.	452,134	22,448
	Matthews				Interface Inc. Class A	1,745,201	22,024
	International Corp.			*	Liberty Media		
	Class A	937,734	34,368		CorpLiberty Live		
					Class A	601,616	21,989

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	Hawaiian	1 522 602	21 764	*	First Watch Restaurant		
*	Holdings Inc. Dream Finders	1,532,692	21,764		Group Inc.	740,198	14,878
	Homes Inc. Class A	611,208	21,716		Arko Corp.	1,798,970	14,878
	Standard Motor	011,200	21,710	*	Stoneridge Inc.	753,568	14,747
	Products Inc.	542,883	21,612		Movado Group Inc.	468,835	14,135
	Wolverine World	012,000	21,012	*	Vizio Holding Corp.	400,000	14,100
	Wide Inc.	2,402,640	21,359		Class A	1,798,846	13,851
*	Instructure	, - ,	,	*	Daily Journal Corp.	40,386	13,764
	Holdings Inc.	789,800	21,333	*	Liquidity	40,000	10,704
*	Sun Country Airlines				Services Inc.	795,167	13,685
	Holdings Inc.	1,351,214	21,255	*	GoPro Inc. Class A	3,924,228	13,617
*	Revolve Group Inc.			*	Genesco Inc.	385,373	13,569
	Class A	1,280,737	21,235	*,1	Savers Value	,.	-,
*	WW				Village Inc.	766,904	13,329
	International Inc.	2,397,137	20,975	*	America's		
*	Viad Corp.	577,927	20,921		Car-Mart Inc.	175,495	13,297
*	Chuy's Holdings Inc.	537,332	20,542		Designer Brands Inc.		
1	Guess? Inc.	889,181	20,505		Class A	1,479,836	13,097
*	Clean Energy Fuels			*	Kura Sushi USA Inc.		
	Corp.	5,270,102	20,184		Class A	169,216	12,860
	Bluegreen Vacations			*	European Wax		
	Holding Corp.	000 075	00.400		Center Inc. Class A	926,577	12,592
	Class A	268,375	20,160	1	Sinclair Inc.	954,858	12,442
-	Clear Channel			*	Bally's Corp.	868,349	12,105
	Outdoor	11 024 012	20.064	*	MasterCraft Boat		
*	Holdings Inc.	11,024,013	20,064		Holdings Inc.	519,098	11,752
	Thryv Holdings Inc. Hovnanian	980,395	19,951	*,1	Bowlero Corp.		
	Enterprises Inc.				Class A	829,598	11,747
	Class A	128,184	19,948	*,1	Fisker Inc. Class A	6,621,961	11,588
	Rush Enterprises Inc.		10,010	*	Lindblad Expeditions		
	Class B	369,345	19,568	*	Holdings Inc.	1,020,179	11,497
*,1	U-Haul Holding Co.	271,612	19,502	Ĵ	Lovesac Co.	428,899	10,958
	Smith & Wesson	,	,		Potbelly Corp.	1,030,823	10,741
	Brands Inc.	1,433,189	19,434		Hooker Furnishings	410.050	10 715
*	QuinStreet Inc.	1,509,277	19,349		Corp.	410,853	10,715
*	EW Scripps Co.			*	Marcus Corp.	734,527	10,709
	Class A	2,380,474	19,020	*	Gannett Co. Inc.	4,639,277	10,670
*	Denny's Corp.	1,741,210	18,944		Boston Omaha Corp. Class A		10 545
1	A-Mark Precious			*		670,390	10,545
	Metals Inc.	600,243	18,157	*	Cardlytics Inc. Universal Technical	1,144,674	10,542
*	Arhaus Inc. Class A	1,502,715	17,807		Institute Inc.	822,926	10,303
*	Stagwell Inc. Class A	2,659,382	17,632	*	PlayAGS Inc.	1,193,838	10,303
*	Corsair Gaming Inc.	1,232,424	17,377		Carriage	1,100,000	10,004
*	AMC Networks Inc.				Services Inc.		
	Class A	918,757	17,263		Class A	402,181	10,059
	RCI Hospitality			*	Sleep Number Corp.	665,131	9,864
	Holdings Inc.	257,289	17,048	*	OneWater	000,101	0,001
*	Accel				Marine Inc. Class A	282,871	9,558
	Entertainment Inc.			*	Xponential	. ,=	.,
	Class A	1,651,081	16,957		Fitness Inc. Class A	741,194	9,554
	Shoe Carnival Inc.	523,116	15,803	*	Cooper-Standard	, -	-,
*,1	Wheels Up		15 105		Holdings Inc.	482,479	9,428
	Experience Inc.	4,516,667	15,492	*	Qurate Retail Inc.	, -	, -
	Haverty Furniture	100.105	15.043		Class A	10,684,542	9,354
	Cos. Inc.	432,133	15,341	*	Zumiez Inc.	459,022	9,337
					Aaron's Co. Inc.	853,131	9,282
						, -	,

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	Build-A-Bear				Hamilton Beach		
	Workshop Inc.	398,931	9,171		Brands Holding Co.		
*	1-800-Flowers.com				Class A	344,356	6,023
	Inc. Class A	819,124	8,830	*	Full House		
*	Children's Place Inc.	378,236	8,783		Resorts Inc.	1,115,067	5,988
*	iHeartMedia Inc.			*	CarParts.com Inc.	1,883,644	5,952
	Class A	3,272,276	8,737	*	American Public		
*	Stitch Fix Inc. Class A	2,447,324	8,737		Education Inc.	615,683	5,941
*,1	Atlanta Braves			*	Selectquote Inc.	4,324,874	5,925
	Holdings Inc.			*	Outbrain Inc.	1,344,551	5,889
	Class A	201,557	8,623		Superior Group of		
*	Holley Inc.	1,753,269	8,538		Cos. Inc.	435,584	5,880
*	National			*	ONE Group		
	CineMedia Inc.	2,010,420	8,323		Hospitality Inc.	946,750	5,794
*	Citi Trends Inc.	287,674	8,135	*	El Pollo Loco	0.45 0.00	5 000
	Alta Equipment		0.440		Holdings Inc.	645,328	5,692
*	Group Inc.	655,855	8,113	 ¥ 1	Tilly's Inc. Class A	737,525	5,561
*	Eastman Kodak Co.	2,070,366	8,074	*,1 *,1	Angi Inc. Class A	2,202,894	5,485
	Petco Health & Wellness Co. Inc.			*,1	Blink Charging Co.	1,617,867	5,485
	Class A	2,513,685	7,943	", I *	ThredUp Inc. Class A	2,409,149	5,421
	Johnson	2,010,000	7,040		AMMO Inc.	2,577,445	5,413
	Outdoors Inc.				Cricut Inc. Class A	817,539	5,388
	Class A	142,149	7,594		Nerdy Inc.	1,554,944	5,333
*	JAKKS Pacific Inc.	213,410	7,587		Century Casinos Inc.	1,084,503	5,292
	Carrols Restaurant	., .	,		Bassett Furniture Industries Inc.	010 470	E 207
	Group Inc.	945,470	7,450		Lakeland	318,476	5,287
*,1	Frontier Group				Industries Inc.	278,050	5,155
	Holdings Inc.	1,358,099	7,415	*	Solo Brands Inc.	278,050	5,155
*	J. Jill Inc.	284,934	7,346		Class A	833,123	5,132
	Rocky Brands Inc.	242,614	7,322	*,1	RealReal Inc.	2,548,706	5,123
*	Destination XL			*	Motorcar Parts of	2,010,700	0,120
	Group Inc.	1,645,333	7,239		America Inc.	536,128	5,007
*	Rush Street			*	Tile Shop		
	Interactive Inc.	1,587,271	7,127		Holdings Inc.	667,742	4,915
	Funko Inc. Class A	918,414	7,099	*	Noodles & Co.		
*	Legacy Housing	070.004	0.005		Class A	1,557,750	4,907
* 1	Corp.	273,001	6,885	*,1	Snap One Holdings		
*,1	SES AI Corp.	3,668,700	6,714		Corp.	531,350	4,734
	Lincoln Educational	660 200	6 620	*	Sportsman's		
	Services Corp. Entravision	660,298	6,629		Warehouse	4 000 404	4 5 4 7
	Communications			* 1	Holdings Inc.	1,060,404	4,517
	Corp. Class A	1,589,251	6,627	*,1 *	Surf Air Mobility Inc.	2,894,155	4,486
*,1	Red Robin Gourmet	1,000,201	0,027	Ŷ	LL Flooring	1 140 040	4 4 4 7
	Burgers Inc.	528,783	6,594		Holdings Inc. Nathan's	1,140,348	4,447
*	Playstudios Inc.	2,424,521	6,570		Famous Inc.	56,557	4,412
	Weyco Group Inc.	208,741	6,546	1	Big 5 Sporting Goods	50,557	4,412
	Climb Global		-,	•	Corp.	685,570	4,347
	Solutions Inc.	119,168	6,534	*,1	Vuzix Corp.	2,028,819	4,230
1	Big Lots Inc.	829,589	6,463	*	VOXX International	2,020,010	r,200
	Clarus Corp.	935,808	6,452		Corp. Class A	389,401	4,159
*	Vera Bradley Inc.	803,599	6,188	*	Emerald Holding Inc.	692,957	4,144
*	Landsea Homes			*,1	Canoo Inc.	15,747,112	4,050
	Corp.	470,898	6,188	*	American Outdoor	-,	.,000
1	Escalade Inc.	306,383	6,155		Brands Inc.	479,165	4,025
					Cato Corp. Class A	551,948	3,941
				*	Allbirds Inc. Class A	3,156,493	3,867

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*,1	ContextLogic Inc.				CompX		
	Class A	619,250	3,685		International Inc.	64,007	1,618
*	Lands' End Inc.	385,220	3,683		Crown Crafts Inc.	322,459	1,599
	Townsquare			*	Envela Corp.	323,754	1,573
	Media Inc. Class A	347,347	3,668	*,1	Loop Media Inc.	1,562,500	1,563
	Acme United Corp.	85,287	3,655	*	Biglari Holdings Inc.		
*	Strattec Security				Člass A	1,924	1,528
	Corp.	145,120	3,644	*	Brilliant Earth		
*,1	Mondee				Group Inc. Class A	381,195	1,418
	Holdings Inc.			*,1	Kirkland's Inc.	458,478	1,385
	Class A	1,309,000	3,613	*,1	Lazydays		
*	Traeger Inc.	1,319,878	3,603		Holdings Inc.	194,354	1,370
*,1	Reservoir Media Inc.	489,336	3,489	*,1	Focus Universal Inc.	932,363	1,361
*	Universal				Virco Manufacturing		
	Electronics Inc.	344,481	3,235		Corp.	112,729	1,356
*	Urban One Inc.	872,038	3,078	*	Harte Hanks Inc.	194,041	1,318
*	Biglari Holdings Inc.			*	Lee Enterprises Inc.	167,206	1,316
	Class B	18,317	3,021	*,1	Kartoon Studios Inc.	940,003	1,307
*,1	2U Inc.	2,445,776	3,008	*,1	Lulu's Fashion		
	Saga				Lounge		
	Communications	104.076	2.005		Holdings Inc.	692,559	1,288
	Inc. Class A Marine Products	134,076	2,985	*,1	Vacasa Inc. Class A	153,870	1,262
		255 246	2 011	*	Gaia Inc. Class A	447,999	1,210
*	Corp. Turtle Beech Corp	255,346	2,911	*	Live Ventures Inc.	45,160	1,147
*	Turtle Beach Corp.	265,654	2,909	*,1	Mesa Air Group Inc.	1,084,447	1,095
	Superior Industries International Inc.	002 561	2,827	*,1	Grove Collaborative		
*	Kewaunee Scientific	883,561	2,027		Holdings	606,752	1,074
	Corp.	96,393	2,802	*,1	Sonder Holdings Inc.	304,152	1,031
*	Container Store	50,555	2,002	1	FAT Brands Inc.		
	Group Inc.	1,219,767	2,781		Class A	153,984	933
*	Latham Group Inc.	1,051,361	2,765	*	NL Industries Inc.	159,132	893
	Canterbury Park	1,001,001	2,700	*	Good Times		
	Holding Corp.	133,795	2,735		Restaurants Inc.	350,945	891
	Lifetime Brands Inc.	401,793	2,696	*,1	Rent the Runway Inc.	1 017100	050
	Flexsteel	101,700	2,000	* 1	Class A	1,617,196	853
	Industries Inc.	141,758	2,672	*,1	Reading International Inc.		
*	Duluth Holdings Inc.	,	, -		Class A	438,093	837
	Class B	488,310	2,627	*,1	Express Inc.	98,917	828
*	Travelzoo	274,335	2,614	*,1	Owlet Inc.	155,507	821
*,1	Tupperware Brands			,.	Ark Restaurants	155,507	021
	Corp.	1,306,065	2,612		Corp.	55,702	788
*,1	BARK Inc.	3,242,000	2,611	*	Marchex Inc. Class B	565,612	769
*,1	RumbleON Inc.			*	BowFlex Inc.	987,578	760
	Class B	319,763	2,603		DallasNews Corp.	176,590	754
*	Cumulus Media Inc.			*,1	Red Cat Holdings Inc.	849,136	747
	Class A	422,698	2,249	, *,1	Aterian Inc.	2,126,982	741
*,1	LiveOne Inc.	1,608,595	2,236	*,1		425,184	741
*	Fossil Group Inc.	1,471,211	2,148	*,1	Mullen	420,104	710
*,1	Ondas Holdings Inc.	1,363,437	2,086	,.	Automotive Inc.	47,497	679
*	Conn's Inc.	411,902	1,829	*,1	Fluent Inc.	1,010,603	677
*	Barnes & Noble			*,1	Regis Corp.	70,385	665
	Education Inc.	1,154,766	1,721	*	CuriosityStream Inc.	986,623	533
*,1	Spruce Power			*	Koss Corp.	150,699	505
	Holding Corp.	388,404	1,717	*,1	Envirotech	100,099	505
*	Delta Apparel Inc.	238,958	1,704	, '	Vehicles Inc.	313,755	414
1	Purple Innovation Inc.		4 005		.0110100 110.	010,700	
	Class A	1,645,889	1,695				

		Shares	Market Value• (\$000)	Market Value• Shares (\$000)
*	Dolphin			* Tandy Leather
	Entertainment Inc.	229,216	392	Factory Inc. 500 2
*,1	Allied Gaming &	220,210	002	* Wilhelmina
	Entertainment Inc.	342,015	363	International Inc. 442 2
*,2	Luby's Inc.	449,752	351	*,1,2 Empire Resorts Inc. 96,356 —
*,1	Cineverse Corp.	242,635	328	
*	Xcel Brands Inc.	251,214	324	210,349,410
1	Flanigan's	201,211	021	Consumer Staples (4.7%)
	Enterprises Inc.	11,919	307	Procter & Gamble
*	Vince Holding Corp.	85,410	296	Co. 73,967,537 10,839,203
*,1	Hall of Fame Resort			PepsiCo Inc. 43,131,669 7,325,483
	& Entertainment			Coca-Cola Co. 122,030,194 7,191,239
	Co.	85,677	278	Philip Morris International Inc. 48,747,332 4,586,149
*	Beasley Broadcast			
	Group Inc. Class A	314,502	276	CVS Health Corp. 40,406,129 3,190,468 Mondelez
*	Dixie Group Inc.	359,932	268	International Inc.
*,1	BurgerFi			Class A 42,730,464 3,094,968
	International Inc.	310,543	267	Altria Group Inc. 55,353,895 2,232,976
*,1	Charles & Colvard		050	Colgate-Palmolive
	Ltd.	610,246	250	Co. 25,787,168 2,055,495
	Jerash Holdings	00.017	240	McKesson Corp. 4,174,496 1,932,708
*,1	US Inc.	80,817	248	* Monster Beverage
, ' *,1	Sadot Group Inc.	608,212	244	Corp. 22,917,718 1,320,290
, י *,1	Inspirato Inc.	55,734	206	Kimberly-Clark Corp. 10,585,549 1,286,250
*,1	InterGroup Corp. United Homes	10,732	196	Archer-Daniels-
, '	Group Inc.	21,683	183	Midland Co. 16,746,061 1,209,401
*,1	XWELL Inc.	104,340	179	General Mills Inc. 18,241,161 1,188,229
*,1	Salem Media	10-1,0-10	175	Constellation
	Group Inc. Class A	419,347	164	Brands Inc. Class A 4,906,458 1,186,136
*,1	Sobr Safe Inc.	310,977	146	Kenvue Inc. 54,119,715 1,165,198
*,1	JOANN Inc.	323,778	144	Sysco Corp. 15,798,785 1,155,365
*,1	Stran & Co. Inc.	97,248	144	Cencora Inc. 5,304,363 1,089,410
*	Rave Restaurant	., .		Corteva Inc. 22,171,535 1,062,460
	Group Inc.	46,126	103	Keurig Dr Pepper Inc. 30,686,046 1,022,459
1	FAT Brands Inc.			Kroger Co. 20,360,209 930,665
	Class B	17,809	96	Kraft Heinz Co. 25,011,090 924,910
*,1	Faraday Future			Hershey Co. 4,705,718 877,334
	Intelligent			Church & Dwight Co. Inc. 7,714,063 729,442
*	Electric Inc. Class A	393,706	91	Inc. 7,714,063 729,442 Walgreens Boots
	Forward Industries Inc.	117200	84	Alliance Inc. 21,800,031 569,199
*	Twin Vee PowerCats	117,209	84	Clorox Co. 3,882,721 553,637
	Co.	34,923	49	Brown-Forman Corp.
*	Moving Image	04,020	40	Class B 9,682,517 552,872
	Technologies Inc.	48,384	46	McCormick & Co.
*,1	AYRO Inc.	24,804	44	Inc. (Non-Voting) 7,884,820 539,479
*,2	SRAX Inc.	590,641	41	Bunge Global SA 5,075,322 512,354
*	EzFill Holdings Inc.	24,047	39	Lamb Weston
*	Yunhong Green CTI	, -		Holdings Inc. 4,553,654 492,205
	Ltd.	17,688	38	Kellanova 8,649,740 483,607
*	Getaround Inc.	117,845	28	Tyson Foods Inc.
*	SRM			Class A 8,959,978 481,599
	Entertainment Inc.	16,042	25	Conagra Brands Inc. 15,001,656 429,948
*	GEN Restaurant			J M Smucker Co. 3,161,197 399,512
,	Group Inc. Class A	2,800	22	Molson Coors
*	Emerson Radio Corp.	6,500	4	Beverage Co. Class B 5,672,253 347,199
				Ciass D 0,072,200 347,199

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	Performance Food			*	Chefs'		
	Group Co.	4,895,921	338,553		Warehouse Inc.	1,119,739	32,954
	Casey's General				Weis Markets Inc.	508,993	32,555
,	Stores Inc.	1,171,299	321,803	*	Vita Coco Co. Inc.	1,248,717	32,030
•	US Foods Holding	6 070 704	016 677		Nu Skin		
	Corp.	6,973,734	316,677		Enterprises Inc.	1 644 070	21 020
	Hormel Foods Corp. Campbell Soup Co.	8,580,482	275,519	*	Class A Pilgrim's Pride Corp.	1,644,073	31,928
*	Darling	6,066,612	262,260	*	Hain Celestial	1,114,855	30,837
	Ingredients Inc.	5,020,693	250,231		Group Inc.	2,798,829	30,647
*,1	Celsius Holdings Inc.	4,384,104	239,021	,	WK Kellogg Co.	2,320,989	30,498
-	BellRing Brands Inc. Albertsons Cos. Inc.	4,103,119	227,436	·	United Natural Foods Inc.	1,861,429	30,211
	Class A	9,827,443	226,031		Fresh Del Monte		
	Ingredion Inc.	2,044,572	221,897		Produce Inc.	1,141,145	29,955
*	Sprouts Farmers		450.077	1	B&G Foods Inc.	2,716,263	28,521
	Market Inc.	3,194,287	153,677		Seaboard Corp.	7,493	26,751
[°]	Post Holdings Inc.	1,539,609	135,578		John B Sanfilippo & Son Inc.	220 465	24,571
	Coca-Cola Consolidated Inc.	144,888	134,514		SpartanNash Co.	238,465 1,017,792	24,371
*	Freshpet Inc.	1,538,541	134,514		Medifast Inc.	337,612	23,358
	Flowers Foods Inc.	5,298,033	119,259	*	USANA Health	337,012	22,004
*	Simply Good Foods	3,200,000	110,200		Sciences Inc.	340,345	18,243
	Co.	2,844,191	112,630	*,1	Beyond Meat Inc.	1,926,592	17,147
	WD-40 Co.	425,094	101,627		ACCO Brands Corp.	2,700,003	16,416
	Lancaster Colony	-,	- , -		Turning Point	,,	-, -
	Corp.	608,983	101,329		Brands Inc.	575,320	15,142
*	Boston Beer Co. Inc. Class A	286,622	99,054		Calavo Growers Inc. Tootsie Roll	512,935	15,085
1	Brown-Forman Corp.	, -	,		Industries Inc.	452,012	15,025
	Class A	1,648,803	98,252	*	Duckhorn		
	Spectrum Brands				Portfolio Inc.	1,427,054	14,057
	Holdings Inc.	1,090,150	86,961	*	Mission Produce Inc.	1,350,087	13,622
*	Grocery Outlet			1	Limoneira Co.	586,683	12,103
	Holding Corp.	2,787,724	75,157	*,1	Westrock Coffee Co.	1,154,372	11,786
	Cal-Maine Foods Inc.	1,253,578	71,943	*	Vital Farms Inc.	742,708	11,653
	Primo Water Corp.	4,773,493	71,841		Oil-Dri Corp. of	100.017	10.000
	Energizer Holdings Inc.	2,257,547	71,519	*,1	America	162,617	10,908
*	TreeHouse Foods Inc.		63,167	^, I *	Cibus Inc. Class A	464,861	9,130
	J & J Snack Foods	1,020,000	00,107		Seneca Foods Corp. Class A	162,763	8,535
	Corp.	367,900	61,491	*	Beauty Health Co.	2,693,942	8,335
	Andersons Inc.	1,010,398	58,138	*	Olaplex Holdings Inc.	3,027,448	7,690
	Edgewell Personal	,,	,	*	Nature's Sunshine	3,027,440	7,000
	Care Co.	1,547,749	56,694		Products Inc.	395,918	6,845
	Universal Corp.	735,460	49,511		Natural Grocers by		-,
	Vector Group Ltd.	4,172,849	47,070		Vitamin Cottage Inc.	424,248	6,788
*	Herbalife Ltd.	3,053,237	46,592	*,1	Lifecore		
	Reynolds Consumer				Biomedical Inc.	937,582	5,804
	Products Inc.	1,690,710	45,379		Village Super		
	MGP Ingredients Inc.	449,025	44,238	×	Market Inc. Class A	220,062	5,772
	Ingles Markets Inc. Class A	112 116	20 100	*	HF Foods Group Inc.	1,044,744	5,579
*	National Beverage	442,146	38,188	*	Honest Co. Inc.	1,538,602	5,077
	Corp.	743,862	36,985		Mama's Creations Inc.	994,476	1 000
*	Sovos Brands Inc.	1,613,068	35,536		PetMed Express Inc.	994,476 640,080	4,883 4,839
	Utz Brands Inc.	2,062,507	33,495	*	LifeMD Inc.	568,168	4,839 4,710
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	20,100			555,100	+,710

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	Whole Earth				Phillips 66	13,815,147	1,839,349
	Brands Inc.	1,332,300	4,543		Marathon Petroleum	13,013,147	1,000,040
*	GrowGeneration	.,,	.,		Corp.	11,917,416	1,768,068
	Corp.	1,753,390	4,401		Pioneer Natural	,	.,
*,1	BRC Inc. Class A	1,202,500	4,365		Resources Co.	7,320,701	1,646,279
*,1	Veru Inc.	3,724,907	2,682		Valero Energy Corp.	10,686,807	1,389,285
*	Lifeway Foods Inc.	172,782	2,317		Williams Cos. Inc.	38,131,661	1,328,126
*,1	ProPhase Labs Inc.	408,045	1,844		ONEOK Inc.	18,252,480	1,281,689
*	Farmer Bros Co.	511,916	1,567		Hess Corp.	8,666,210	1,249,321
	Lifevantage Corp.	253,547	1,521		Occidental Petroleum	1	
	AMCON Distributing				Corp.	20,716,100	1,236,958
	Co.	7,756	1,512		Cheniere Energy Inc.	7,093,964	1,211,011
*,1	PLBY Group Inc.	1,487,321	1,487		Baker Hughes Co.		
*	Zevia PBC Class A	544,118	1,094		Class A	31,517,109	1,077,255
*,1	Natural Alternatives				Kinder Morgan Inc.	59,319,149	1,046,390
	International Inc.	162,521	1,043		Halliburton Co.	25,324,661	915,487
*	Real Good Food Co.				Devon Energy Corp.	20,081,157	909,676
	Inc. Class A	562,143	854		Diamondback		
*	Willamette Valley				Energy Inc.	5,614,964	870,769
	Vineyards Inc.	152,433	808		Targa Resources		
*,1	Benson Hill Inc.	3,980,438	692		Corp.	7,005,378	608,557
*	Vintage Wine	4 000 007	054		Coterra Energy Inc.	22,492,038	573,997
	Estates Inc.	1,296,027	651	*	First Solar Inc.	3,184,010	548,541
	Rocky Mountain			*	Enphase Energy Inc.	4,058,333	536,268
	Chocolate Factory Inc.	128,662	591		EQT Corp.	12,889,857	498,322
*,1	Splash Beverage	120,002	551		Marathon Oil Corp.	18,308,764	442,340
	Group Inc.	950,644	525		Ovintiv Inc.	8,535,024	374,858
*,1	Bridgford Foods	000,011	020		APA Corp.	9,633,764	345,659
	Corp.	42,038	460		Texas Pacific Land	400.000	000.000
*	S&W Seed Co.	558,871	391		Corp.	192,838	303,228
*,1	Barfresh Food				Chesapeake Energy	0.050.561	206 402
	Group Inc.	233,784	374		Corp.	3,853,561	296,493
*,1	Urban-Gro Inc.	227,616	319		HF Sinclair Corp.	4,796,487	266,541
*,1	Local Bounti Corp.	130,217	270		TechnipFMC plc NOV Inc.	13,049,762	262,822
	Mannatech Inc.	30,953	243	*		12,375,780	250,981
*,1	AquaBounty				Southwestern Energy Co.	34,249,181	224,332
	Technologies Inc.	45,065	128	*	Weatherford	54,245,101	224,002
	Alico Inc.	4,320	126		International plc	2,253,743	220,484
*,1	Kaival Brands				Range Resources	2,200,740	220,404
	Innovations				Corp.	7,198,883	219,134
	Group Inc.	582,869	117		Permian Resources	.,	,
*,1	Maison Solutions Inc				Corp. Class A	15,268,929	207,657
	Class A	77,000	106		Chord Energy Corp.	1,226,339	203,854
*,1	22nd Century	0.47.000	40		Civitas		
*,1	Group Inc.	247,632	46		Resources Inc.	2,931,872	200,481
, I	MedAvail	4,362	19		Murphy Oil Corp.	4,649,419	198,344
*,1	Holdings Inc. Stryve Foods Inc.	4,302	19	*	Antero Resources		
, '	Class A	2,189	6		Corp.	8,502,420	192,835
		2,109_			Matador Resources		
_			68,518,415		Co.	3,380,394	192,209
Energ	gy (4.1%)				ChampionX Corp.	6,140,698	179,370
	Exxon Mobil Corp.	125,741,000	12,571,585		Noble Corp. plc	3,564,751	171,678
	Chevron Corp.	56,281,472	8,394,944		DT Midstream Inc.	3,052,643	167,285
	ConocoPhillips	37,278,213	4,326,882		PBF Energy Inc.		
	Schlumberger NV	44,706,076	2,326,504		Class A	3,441,198	151,275
	EOG Resources Inc.	18,314,751	2,215,169	*	Transocean Ltd.	23,281,326	147,836

		Shares	Market Value•			Shares
			(\$000)			Shares
	SM Energy Co.	3,697,875	143,182	*	Diamond Offshore	0 400 000
	Patterson-UTI				Drilling Inc.	3,198,220
	Energy Inc.	13,183,653	142,383	÷	NOW Inc.	3,493,831
	Equitrans Midstream	10 004 000	100 557	*	Vital Energy Inc.	834,123
	Corp.	13,021,268	132,557		CVR Energy Inc.	1,101,317
	Antero Midstream	10 100 150	104 504	1	Crescent Energy Co.	
	Corp.	10,496,458	131,521	-	Class A	2,438,586
	Arcosa Inc.	1,527,302	126,216	*	Ameresco Inc.	4 040 504
	California Resources Corp.	2 101 257	119,823	*	Class A	1,012,501
	Magnolia Oil & Gas	2,191,357	119,023	1	MRC Global Inc.	2,579,179
	Corp. Class A	5,570,494	118,596	'	Comstock Resources Inc.	2 126 752
	Alpha Metallurgical	0,070,101	110,000	1	Atlas Energy	3,136,753
	Resources Inc.	335,573	113,732	·	Solutions Inc.	
1	New Fortress	000,070	110,702		Class A	1,611,422
	Energy Inc.	2,923,816	110,316		SunCoke Energy Inc.	2,522,025
*	Tidewater Inc.	1,507,898	108,735		Core	_,,
	Northern Oil &				Laboratories Inc.	1,464,154
	Gas Inc.	2,801,454	103,850	*	ProPetro Holding	
	Helmerich &				Corp.	3,073,248
	Payne Inc.	2,833,474	102,628	*	Dril-Quip Inc.	1,087,564
	Warrior Met Coal Inc.	1,627,500	99,229	*,1	ChargePoint	
*	CNX Resources				Holdings Inc.	9,936,424
	Corp.	4,632,686	92,654	*	Nabors Industries	
	Cactus Inc. Class A	2,037,183	92,488		Ltd.	284,778
	Arch Resources Inc.	549,420	91,171	1	Kinetik Holdings Inc.	
	Liberty Energy Inc.		00.050	* 4	Class A	684,135
	Class A	4,776,711	86,650	*,1 *,1	NextDecade Corp.	4,771,090
	Peabody Energy	2 525 752	0E 746	", I *	FuelCell Energy Inc.	14,142,790
	Corp. Viper Energy Inc.	3,525,752	85,746		REX American	477,153
	Class A	2,723,497	85,463		Resources Corp. RPC Inc.	
*,1	Plug Power Inc.	18,864,450	84,890	*	Centrus Energy Corp.	3,025,849
*	Shoals Technologies	10,001,100	01,000		Class A	394,915
	Group Inc. Class A	5,342,466	83,022	*	SilverBow	00 1,0 10
*	Array	-,- ,	,-		Resources Inc.	678,107
	Technologies Inc.	4,516,733	75,881	*	Bristow Group Inc.	, -
	CONSOL Energy Inc.	741,722	74,565		Class A	696,250
	Archrock Inc.	4,689,675	72,221		Select Water	
*	NEXTracker Inc.				Solutions Inc.	
	Class A	1,506,984	70,602		Class A	2,504,296
*	Oceaneering			*,1	Stem Inc.	4,714,276
	International Inc.	3,158,148	67,205	*	TETRA	
*	Callon Petroleum Co.	1,930,771	62,557		Technologies Inc.	3,630,548
*	Par Pacific			*	Newpark	0 4 4 0 0 0 0
	Holdings Inc.	1,707,225	62,092		Resources Inc.	2,449,089
	Sitio Royalties Corp.	0 576 671	60 F70	*	Vitesse Energy Inc.	730,922
*	Class A Gulfport Energy	2,576,671	60,578		Montauk Renewables Inc.	1,737,042
	Corp.	403,753	53,780		VAALCO Energy Inc.	3,343,681
	Delek US	400,700	33,700		Berry Corp.	1,914,730
	Holdings Inc.	1,996,486	51,509	*,1	SunPower Corp.	2,745,685
*	Talos Energy Inc.	3,481,418	49,541	*,1	Tellurian Inc.	2,745,665
*	Helix Energy	.,,			Kodiak Gas	17,2 4 0,002
	Solutions Group Inc.	4,519,929	46,465		Services Inc.	637,940
*	Green Plains Inc.	1,777,608	44,831		SandRidge	
*,1	Fluence Energy Inc.	1,778,892	42,427		Energy Inc.	933,349
	World Kinect Corp.	1,843,525	41,996	1	HighPeak Energy Inc.	884,700
	-					

Market Value•

(\$000)

41.577

39,550

37,944

33,370

32,214

32,066

28,397

27,760

27,749

27,087

25,857

25,754

25,308

23,251

23,246

22,850

22,758

22,628

22.569

22,028

21,487

19,719

19,683

19,008

18,291

16,410

16,262

16,000

15,477

15,013

13,461

13,262

13,034

12,810

12,759

12,598

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	Oil States			*,1	ESS Tech Inc.	1,593,000	1,816
1	International Inc. Ramaco	1,847,876	12,547	,	Ramaco Resources Inc.	1,353,000	1,010
	Resources Inc.				Class B	135,153	1,799
	Class A	701,380	12,050	*	Smart Sand Inc.	860,390	1,661
*,1	EVgo Inc. Class A	3,179,153	11,381	*,1	Nine Energy	000,000	1,001
*	DMC Global Inc.	540,379	10,170		Service Inc.	609,231	1,633
	W&T Offshore Inc.	2,896,052	9,441	*	Gulf Island		
*	SEACOR Marine				Fabrication Inc.	358,485	1,552
	Holdings Inc.	735,140	9,255	*	Profire Energy Inc.	830,050	1,502
*	American			*	Mammoth Energy		
	Superconductor	004 750	0.400		Services Inc.	308,591	1,376
*,1	Corp.	824,756	9,188	*	Ideal Power Inc.	177,061	1,374
", I *	Gevo Inc.	6,871,435	7,971		Energy Services of	200 540	1 100
	Matrix Service Co. Solaris Oilfield	785,548	7,683	*,1	America Corp. Flotek Industries Inc	200,540 . 305,077	1,199 1,196
	Infrastructure Inc.			*,1	FTC Solar Inc.	1,574,728	1,190
	Class A	935,530	7,447	, . 1	Enviva Inc.	928,942	925
*	Forum Energy	,	,	-	Adams Resources 8		525
	Technologies Inc.	324,803	7,201		Energy Inc.	31,232	818
*	Hallador Energy Co.	722,014	6,383	*,1	Stabilis Solutions Ind		705
*	Amplify Energy Corp.	1,044,290	6,193		Barnwell		
	Riley Exploration				Industries Inc.	267,900	651
	Permian Inc.	222,250	6,054	*	PEDEVCO Corp.	768,132	592
	Granite Ridge			*,1	Independence		
	Resources Inc.	1,004,600	6,048		Contract Drilling In	c. 225,114	552
	Geospace Technologies Corp.	460,675	5,970	*,1	Houston American		
*,1	Aemetis Inc.	1,111,968	5,827		Energy Corp.	231,528	414
*,1	ProFrac Holding	1,111,300	5,627	* 1	Mexco Energy Corp	44,605	407
,	Corp. Class A	655,619	5,560	*,1	Ocean Power Technologies Inc.	1 001 472	316
	Evolution Petroleum		-,	*,1	Sunworks Inc.	1,001,472 1,299,138	305
	Corp.	895,061	5,200	*,1	Dawson Geophysica		305
*,1	TPI Composites Inc.	1,239,552	5,132		Co.	163,584	299
*	Natural Gas Services			*	Superior Drilling		
	Group Inc.	310,277	4,989		Products Inc.	258,628	185
*,1	Solid Power Inc.	3,190,948	4,627	*,1	Advent Technologies		
	NACCO				Holdings Inc.	760,618	169
	Industries Inc. Class A	121,068	4,419		US Energy Corp.	133,545	134
*	KLX Energy Services	121,000	4,415	*,1	Camber Energy Inc.	332,001	76
	Holdings Inc.	389,409	4,385	*	Pineapple Energy In	c. 95,645	57
	Ranger Energy		.,		NCS Multistage	1 010	22
	Services Inc.				Holdings Inc.	1,912_	33
	Class A	406,911	4,163				59,767,596
*,1	Ring Energy Inc.	2,669,972	3,898	Fina	ncials (10.8%)		
	PHX Minerals Inc.	1,009,748	3,251	*	Berkshire		
1	Epsilon Energy Ltd.	638,076	3,241		Hathaway Inc. Class B	55,960,019	19,958,700
*,1	American Resources	4 070 000	0 700			55,500,015	19,956,700
*	Corp.	1,873,823	2,792		JPMorgan Chase & Co.	90,715,286	15,430,670
-	OPAL Fuels Inc. Class A	490,434	2,707		Bank of America	56,7.10,200	,
*,1	Empire Petroleum	430,434	2,707		Corp.	211,026,559	7,105,264
,.	Corp.	238,346	2,619		Wells Fargo & Co.	113,959,217	5,609,073
*,1	Beam Global	317,644	2,252		S&P Global Inc.	9,938,743	4,378,215
*	Battalion Oil Corp.	223,426	2,147		Goldman Sachs		
*,1	PrimeEnergy	.,	-,		Group Inc.	9,380,537	3,618,730
	Resources Corp.	19,756	2,101		Morgan Stanley	38,628,950	3,602,150
	nesources Corp.	19,750	2,101		thorgan stanley	50,020,000	0,002,10

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	BlackRock Inc.	4,198,995	3,408,744		Ares Management		
	Charles Schwab Corp.	44,500,704	3,061,648		Corp. Class A Principal Financial	5,275,406	627,351
	Marsh & McLennan Cos. Inc.	15,457,336	2,928,701		Group Inc. Cboe Global	7,512,694	591,024
	Progressive Corp.	18,381,600	2,927,821		Markets Inc.	3,304,755	590,097
	Blackstone Inc.	22,312,200	2,921,113		Huntington	-,,	,
	Citigroup Inc.	56,307,325	2,896,449		Bancshares Inc.	45,303,021	576,254
	Chubb Ltd.	12,810,982	2,895,282	*	Berkshire		
	CME Group Inc.	11,295,900	2,378,917		Hathaway Inc.	4 054	570.000
	Intercontinental				Class A	1,051	570,299
	Exchange Inc.	17,952,621	2,305,655		FactSet Research Systems Inc.	1,190,901	568,119
	US Bancorp	48,877,749	2,115,429		Regions Financial	1,100,001	500,115
	PNC Financial	10 500 040	1 000 000		Corp.	29,191,495	565,731
	Services Group Inc. Moody's Corp.	4,878,274	1,936,236	*	Markel Group Inc.	394,366	559,960
	Aon plc Class A	4,878,274 5,972,498	1,905,259 1,738,116		LPL Financial		
	KKR & Co. Inc.	20,867,825	1,728,899		Holdings Inc.	2,370,573	539,590
	Truist Financial Corp.		1,546,557		Northern Trust Corp.	6,168,982	520,539
	Arthur J Gallagher &	11,000,112	1,010,000		Brown & Brown Inc.	7,177,212	510,372
	Co.	6,789,146	1,526,743		Cincinnati Financial	4 010 025	E00 610
	Aflac Inc.	18,328,770	1,512,124		Corp. Everest Group Ltd.	4,916,035 1,360,655	508,613
	American				Citizens Financial	1,300,055	481,100
	International				Group Inc.	13,880,377	459,996
	Group Inc.	22,029,284	1,492,484		First Citizens		,
	Travelers Cos. Inc. MSCI Inc. Class A	7,181,982	1,368,096		BancShares Inc.		
	Bank of New York	2,355,676	1,332,488		Class A	316,931	449,716
	Mellon Corp.	24,131,039	1,256,021		W R Berkley Corp.	6,054,434	428,170
	Ameriprise	24,101,000	1,200,021		KeyCorp	29,488,147	424,629
	Financial Inc.	3,170,574	1,204,279		Fidelity National	0.005.007	410.054
	Prudential				Financial Inc.	8,095,927	413,054
	Financial Inc.	11,329,886	1,175,022		Loews Corp. Equitable	5,566,684	387,386
	Apollo Global				Holdings Inc.	10,622,456	353,728
	Management Inc.	12,495,132	1,164,421		MarketAxess	10,022,100	000,720
	MetLife Inc.	17,438,256	1,153,192		Holdings Inc.	1,193,070	349,391
	Allstate Corp. Discover Financial	8,215,350	1,149,985		Globe Life Inc.	2,792,645	339,921
	Services	7,866,556	884,201		Reinsurance Group		
*	Coinbase Global Inc.	1,000,000	004,201		of America Inc.	2,070,383	334,947
	Class A	4,824,495	839,076		Tradeweb		
*	Arch Capital Group				Markets Inc. Class A	3,597,954	326,982
	Ltd.	11,112,943	825,358		Carlyle Group Inc.	7,976,682	324,571
	Willis Towers Watson		700.004		RenaissanceRe	,,0,0,002	021,071
	plc Descriptions Firsterict	3,250,003	783,901		Holdings Ltd.	1,653,901	324,165
	Broadridge Financial Solutions Inc.	3,695,680	760,386		East West		
	Hartford Financial	3,095,060	700,300		Bancorp Inc.	4,433,484	318,989
	Services Group Inc.	9,432,663	758,197		Annaly Capital		
	T. Rowe Price	,,	,,		Management Inc.	15,853,352	307,079
	Group Inc.	7,016,831	755,643		Ally Financial Inc.	8,469,124	295,742
	Nasdaq Inc.	12,711,425	739,042		Assurant Inc.	1,660,179	279,724
	Fifth Third Bancorp	21,385,315	737,580		Webster Financial Corp.	5,423,284	275,286
	State Street Corp.	9,225,900	714,638	*,1	SoFi	0,120,204	2,0,200
	M&T Bank Corp.	5,208,043	713,919		Technologies Inc.	27,222,334	270,862
	Raymond James	E 000 000	657514		Erie Indemnity Co.		
	Financial Inc.	5,896,988	657,514		Class A	799,295	267,700

	Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
Associate Financial	onaroo	(\$000)		Minterest Einen siel	Gharoo	(0000)
American Financial Group Inc.	2,229,453	265,060		Wintrust Financial Corp.	1,912,930	177,424
Interactive Brokers	2,220,400	200,000		Columbia Banking	1,012,000	177,424
Group Inc. Class A	3,178,400	263,489		System Inc.	6,542,542	174,555
Franklin	-,,			Cadence Bank	5,763,236	170,534
Resources Inc.	8,586,125	255,781		MGIC Investment		
First Horizon Corp.	17,528,794	248,208		Corp.	8,750,300	168,793
Invesco Ltd.	13,771,835	245,690		Essent Group Ltd.	3,138,176	165,507
Voya Financial Inc.	3,310,981	241,569		Synovus Financial		
* Robinhood				Corp.	4,364,048	164,306
Markets Inc.				United		
Class A	18,634,684	237,406		Bankshares Inc.	4,241,350	159,263
Unum Group	5,206,991	235,460		Rithm Capital Corp.	14,886,706	158,990
SEI Investments Co.	3,661,513	232,689	*,1	Marathon Digital		
Old Republic				Holdings Inc.	6,679,783	156,908
International Corp.	7,903,704	232,369		Affiliated Managers		
Kinsale Capital				Group Inc.	1,033,290	156,461
Group Inc.	691,796	231,689		Old National Bancorp	9,180,985	155,067
Comerica Inc.	4,123,000	230,105		FNB Corp.	11,244,311	154,834
Morningstar Inc.	803,775	230,073		Corebridge		
Primerica Inc.	1,095,602	225,431		Financial Inc.	6,913,340	149,743
New York				Valley National	40 570 000	
Community	~			Bancorp	13,572,293	147,395
•	21,421,737	219,144		Home	F 70F 074	140 541
Western Alliance		014 514		BancShares Inc.	5,785,274	146,541
Bancorp	3,260,585	214,514		Glacier Bancorp Inc.	3,490,659	144,234
Blue Owl Capital Inc. Class A	14 256 656	212 014		Lincoln National	E 210 E2E	142 225
	14,356,656	213,914		Corp.	5,310,535	143,225
Stifel Financial Corp.	3,016,293	208,577		SLM Corp.	7,222,660	138,097
AGNC Investment Corp.	20,946,116	205,481	*	Radian Group Inc.	4,727,530	134,971
Zions Bancorp NA	4,647,119	203,481		American Equity Investment Life		
SouthState Corp.	2,382,493	203,803		Holding Co.	2,415,443	134,782
Pinnacle Financial	2,302,495	201,202	*	Ryan Specialty	2,110,110	101,702
Partners Inc.	2,302,546	200,828		Holdings Inc.		
Commerce	2,002,010	200,020		Class A	3,128,426	134,585
Bancshares Inc.	3,731,621	199,306		Axis Capital Holdings		
First American	-, - ,-			Ltd.	2,400,377	132,909
Financial Corp.	3,073,507	198,057		FirstCash		
Cullen/Frost				Holdings Inc.	1,212,666	131,441
Bankers Inc.	1,817,890	197,223		First Financial		
Houlihan Lokey Inc.				Bankshares Inc.	4,269,541	129,367
Class A	1,628,749	195,303	*	Mr Cooper		
Starwood Property				Group Inc.	1,969,975	128,285
Trust Inc.	9,281,318	195,093		Jackson Financial Inc.		107015
Prosperity				Class A	2,486,629	127,315
Bancshares Inc.	2,796,395	189,400		Assured Guaranty Ltd.	1,678,489	125 601
Selective Insurance	1 000 005	100.000			1,070,409	125,601
Group Inc.	1,902,285	189,239		Hamilton Lane Inc. Class A	1,103,726	125,207
Jefferies Financial Group Inc.	4,637,688	197/00		Janus Henderson	1,100,720	120,207
		187,409		Group plc	4,132,505	124,595
Popular Inc.	2,269,437	186,253		Hancock Whitney	.,,	1,000
OneMain Holdings Inc.	3,769,704	185 /60		Corp.	2,563,770	124,574
Evercore Inc. Class A		185,469 192 105		Hanover Insurance	,	.,=
RLI Corp.	1,070,476	183,105		Group Inc.	1,010,971	122,752
	1,354,950	180,371				
Bank OZK	3,578,146	178,299		Moelis & Co. Class A	2,134,419	119,805

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	Lazard Ltd. Class A	3,363,039	117,034		Fulton Financial Corp.	5,203,897	85,656
	White Mountains Insurance Group	0,000,000	11,001		CVB Financial Corp. BGC Group Inc.	4,241,821	85,642
	Ltd.	76,901	115,737		Class A	11,775,831	85,021
1	Ameris Bancorp Blackstone Mortgage	2,098,444	111,322	*	Clearwater Analytics Holdings Inc.		·
	Trust Inc. Class A	5,198,296	110,568		Class Ă	3,948,529	79,089
	Walker & Dunlop Inc.	986,437	109,504	*	NMI Holdings Inc.		
*	Brighthouse				Class A	2,611,555	77,511
	Financial Inc. United Community	2,061,205	109,079		BankUnited Inc. Seacoast Banking	2,388,475	77,458
	Banks Inc. ServisFirst	3,555,927	104,046		Corp. of Florida Simmons First	2,695,122	76,703
	Bancshares Inc.	1,544,023	102,878		National Corp.		
	UMB Financial Corp.	1,226,359	102,462		Class A	3,802,363	75,439
*	Texas Capital			1	Arbor Realty		
	Bancshares Inc.	1,512,894	97,778		Trust Inc.	4,834,620	73,390
	Cathay General				Eastern	E 005 004	74 077
* *	Bancorp	2,176,762	97,018		Bankshares Inc.	5,005,394	71,077
*,1	Riot Platforms Inc.	6,210,523	96,077		PennyMac Financial Services Inc.	802,766	70,940
	Associated	4 470 247	05 601		PJT Partners Inc.	802,700	70,940
	Banc-Corp International	4,470,347	95,621		Class A	694,322	70,731
	Bancshares Corp.	1,759,816	95,593		First Merchants Corp.		68,866
	CNO Financial	1,755,610	55,555		WaFd Inc.	2,057,503	67,815
	Group Inc.	3,421,522	95,460		First Financial	_,,	
	Artisan Partners	-, ,-			Bancorp	2,817,524	66,916
	Asset				Towne Bank	2,122,686	63,171
	Management Inc.				BOK Financial Corp.	736,866	63,113
	Class A	2,122,843	93,787	*	StoneX Group Inc.	828,785	61,189
	Piper Sandler Cos.	535,561	93,654		Park National Corp.	457,960	60,845
	Kemper Corp.	1,921,292	93,509	*	Bancorp Inc.	1,562,705	60,258
	Genworth Financial Inc.			*,1	Rocket Cos. Inc.		
	Class A	13,806,986	92,231		Class A	4,074,451	58,998
	First Hawaiian Inc.	4,029,346	92,111		NBT Bancorp Inc.	1,401,918	58,754
*,1	Upstart Holdings Inc.		91,438		Cohen & Steers Inc.	770,629	58,360
*	Axos Financial Inc.	1,662,755	90,786		Banner Corp.	1,079,019	57,792
	Bank of Hawaii Corp.		90,643		Virtu Financial Inc. Class A	2,823,145	57,197
	First Interstate	.,,			OFG Bancorp	1,510,460	56,612
	BancSystem Inc.				Independent Bank	1,510,400	50,012
	Class A	2,939,739	90,397		Group Inc.	1,110,951	56,525
	TPG Inc. Class A	2,072,871	89,486	*	Triumph Financial Inc.		56,270
	WSFS Financial Corp.	1,938,156	89,019		Renasant Corp.	1,669,901	56,242
	Federated				BancFirst Corp.	576,481	56,109
	Hermes Inc.	0.614.000	00 500		WesBanco Inc.	1,776,472	55,728
	Class B Community Bank	2,614,392	88,523	1	Ready Capital Corp.	5,389,324	55,241
	System Inc.	1,688,469	87,986		StepStone Group Inc.		
	Pacific Premier	1,000,400	07,000		Class A	1,695,189	53,958
	Bancorp Inc.	3,013,123	87,712		Banc of California Inc.	3,978,554	53,432
	Independent Bank	2,2.0,.20			Virtus Investment		
	Corp.	1,327,970	87,394		Partners Inc.	215,598	52,123
	First Bancorp	5,272,270	86,729		Apollo Commercial		
	Atlantic Union		-		Real Estate	4,416,882	51 OF /
	Bankshares Corp.	2,368,116	86,531		Finance Inc. Federal Agricultural	4,410,002	51,854
*	Credit Acceptance				Mortgage Corp.		
	Corp.	161,035	85,788		Class C	270,904	51,802

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	Hilltop Holdings Inc. Stewart Information	1,437,585	50,617	*	Palomar Holdings Inc.	734,361	40,757
	Services Corp. Claros Mortgage	852,559	50,088		Provident Financial Services Inc.	2,230,718	40,220
	Trust Inc.	3,665,552	49,961		Safehold Inc.	1,659,651	38,836
	Northwest		40 T 0 4		S&T Bancorp Inc.	1,140,060	38,101
	Bancshares Inc. Enterprise Financial	3,989,936	49,794		Stellar Bancorp Inc.	1,365,491	38,015
	Services Corp.	1,103,275	49,261	*	Veritex Holdings Inc. Cannae Holdings Inc.	1,607,760 1,883,947	37,413 36,756
	Lakeland Financial Corp.	752,901	49,059		Chimera Investment Corp.	7220 545	26 624
*	Goosehead		,		Sandy Spring	7,339,545	36,624
	Class A	645,903	48,959		Bancorp Inc.	1,325,600	36,109
	First Commonwealth	010,000	10,000		Peoples Bancorp Inc. MFA Financial Inc.	1,058,510	35,735
	Financial Corp.	3,163,276	48,841	*	Encore Capital	3,141,703	35,407
	City Holding Co.	437,529	48,242		Group Inc.	680,681	34,545
-	Customers Bancorp Inc.	835,298	48,130		Nelnet Inc. Class A Safety Insurance	390,170	34,421
*	BRP Group Inc.	1 000 005	17000		Group Inc.	449,806	34,181
	Class A Live Oak	1,998,235	47,998	*	SiriusPoint Ltd.	2,946,652	34,181
	Bancshares Inc.	1,034,676	47,078		BrightSpire Capital Inc. Class A	4,543,526	33,804
	Trustmark Corp.	1,687,931	47,060		Employers	4,040,020	00,004
*	Navient Corp. Enova	2,513,015	46,792		Holdings Inc.	848,434	33,428
	International Inc.	843,965	46,722		Franklin BSP Realty Trust Inc.	2,472,504	33,404
	First Bancorp (XNGS) Westamerica	1,237,620	45,804	*	Skyward Specialty Insurance	2, 2,00	00,101
	Bancorp	791,697	44,660		Group Inc.	985,265	33,381
	FB Financial Corp.	1,116,367	44,487		TriCo Bancshares	765,759	32,905
	Pathward Financial Inc.	839,479	44,434		Origin Bancorp Inc. Mercury General	913,084	32,478
	National Bank Holdings Corp.				Corp. Berkshire Hills	867,129	32,353
*	Class A Oscar Health Inc.	1,172,694	43,612		Bancorp Inc. Nicolet	1,296,581	32,194
	Class A Horace Mann	4,685,148	42,869		Bankshares Inc. OceanFirst Financial	393,817	31,694
	Educators Corp.	1,309,876	42,833		Corp.	1,779,868	30,898
	Hope Bancorp Inc.	3,494,977	42,219	*	PRA Group Inc.	1,170,822	30,676
	Heartland Financial USA Inc.	1 120 440	42 140		QCR Holdings Inc.	514,779	30,058
	Stock Yards	1,120,449	42,140	*,1	Trupanion Inc.	981,307	29,940
	Bancorp Inc. Compass Diversified	818,043	42,121	1	ARMOUR Residential REIT Inc.	1,541,014	29,772
	Holdings Two Harbors	1,867,334	41,922	1	Ellington Financial Inc.	2,341,448	29,760
	Investment Corp.	2,970,456	41,378		Dime Community Bancshares Inc.	1,101,151	29,654
	PennyMac Mortgage Investment Trust	2,763,682	41,317	*	LendingClub Corp.	3,283,854	28,701
	Victory Capital	2,703,002	41,517		Eagle Bancorp Inc.	951,714	28,685
	Holdings Inc. Class A	1,198,838	41,288		Enact Holdings Inc. Southside	988,708	28,564
	First Busey Corp.	1,657,232	41,200		Bancshares Inc.	911,789	28,557
	Ladder Capital Corp.	.,	, 102		AMERISAFE Inc.	609,096	28,493
	Class A	3,555,544	40,924		Preferred Bank National Western Life	389,302	28,438
					Group Inc. Class A	58,275	28,148

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	Brookline				Amalgamated		
	Bancorp Inc.	2,542,527	27,739		Financial Corp.	689,657	18,579
	Lakeland	2,012,027	21,700		Merchants Bancorp	434,604	18,505
	Bancorp Inc.	1,862,506	27,546		Farmers National	101,001	10,000
	ConnectOne	.,,	,		Banc Corp.	1,273,130	18,397
	Bancorp Inc.	1,192,696	27,325		Byline Bancorp Inc.	777,481	18,317
	German American				Great Southern	,	
	Bancorp Inc.	840,496	27,240		Bancorp Inc.	302,904	17,977
*,1	Lemonade Inc.	1,674,937	27,017		Mercantile Bank		,
	WisdomTree Inc.	3,780,368	26,198		Corp.	445,144	17,975
	Redwood Trust Inc.	3,489,302	25,856		Washington Trust		
	Premier Financial	-,,	-,		Bancorp Inc.	552,876	17,902
	Corp.	1,072,357	25,844	1	Orchid Island		
	First Bancshares Inc.	874,751	25,656		Capital Inc.	2,091,609	17,632
	Capitol Federal			*	Metropolitan Bank		
	Financial Inc.	3,952,960	25,497		Holding Corp.	311,071	17,227
	TFS Financial Corp.	1,714,510	25,186		TrustCo Bank Corp.	550,930	17,106
1	F&G Annuities &				Heritage Commerce		
	Life Inc.	544,128	25,030		Corp.	1,711,952	16,983
*	Open Lending Corp.	2,935,132	24,978		Midland States		
	New York Mortgage				Bancorp Inc.	614,037	16,923
	Trust Inc.	2,825,845	24,104	*	Columbia		
	Bank First Corp.	277,228	24,025		Financial Inc.	872,234	16,817
	Heritage Financial				Kearny Financial		40 704
	Corp.	1,102,412	23,581		Corp.	1,871,083	16,784
	Amerant				HarborOne	4 005 400	10 500
	Bancorp Inc.				Bancorp Inc.	1,385,460	16,598
	Class A	951,334	23,374		Southern Missouri	010 151	10 550
	1st Source Corp.	425,256	23,368		Bancorp Inc.	310,151	16,559
	First Mid				CrossFirst	1 202 400	16 000
	Bancshares Inc.	671,439	23,272		Bankshares Inc.	1,202,409	16,329
*	Ambac Financial	1 000 500			Horizon Bancorp Inc.	1,130,130	16,172
	Group Inc.	1,386,506	22,850		Northfield Bancorp Inc.	1,279,932	16,102
	ProAssurance Corp.	1,647,124	22,714		Central Pacific	1,279,932	10, 102
	Community Trust	545 007	00 500		Financial Corp.	801,026	15,764
1	Bancorp Inc.	515,007	22,588		First Community	001,020	10,704
1	UWM Holdings Corp.		00 111		Bankshares Inc.	423,255	15,703
	Class A	3,092,429	22,111		Independent Bank	120,200	10,700
	Dynex Capital Inc.	1,723,960	21,584		Corp. (Michigan)	599,260	15,593
	Old Second Bancorp Inc.	1,367,182	21,109		Cambridge Bancorp	222,214	15,422
	Tompkins Financial	1,307,102	21,103		Camden National	,	
	Corp.	345,569	20,814		Corp.	403,181	15,172
1	HCI Group Inc.	225,301	19,691		First Foundation Inc.	1,567,086	15,169
	KKR Real Estate	220,001	10,001		Equity		
	Finance Trust Inc.	1,451,080	19,198		Bancshares Inc.		
*	AssetMark Financial	1,101,000	10,100		Class A	443,588	15,038
	Holdings Inc.	640,865	19,194		American National		
	Brightsphere				Bankshares Inc.	302,173	14,731
	Investment				Peapack-Gladstone		
	Group Inc.	981,747	18,810		Financial Corp.	493,833	14,726
	Hanmi Financial				HomeTrust		
	Corp.	968,596	18,791		Bancshares Inc.	539,258	14,517
	Business First				Diamond Hill		
	Bancshares Inc.	759,255	18,716		Investment	07504	14 400
	Univest Financial				Group Inc.	87,521	14,493
	Corp.	848,090	18,683		United Fire Group Inc.	714,514	1/1 276
					Group Inc.	/ 14,514	14,376

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	EZCORP Inc. Class A	1 624 375	14,197		Crawford & Co.		
	Republic	1,02 1,07 0	11,107		Class B	747,804	9,781
	Bancorp Inc.				Financial		
	Class A	253,793	13,999		Institutions Inc.	450,573	9,597
	P10 Inc. Class A	1,343,205	13,728		Orrstown Financial		
*	Coastal Financial				Services Inc.	324,496	9,573
	Corp.	308,378	13,695		Granite Point		
	Flushing Financial				Mortgage Trust Inc.	1,592,579	9,460
	Corp.	829,310	13,667		Capstar Financial		
	Shore				Holdings Inc.	501,635	9,401
	Bancshares Inc.	944,911	13,465		Summit Financial		
	Metrocity				Group Inc.	304,535	9,346
	Bankshares Inc.	558,211	13,408		Citizens & Northern	110 500	0.000
	CNB Financial Corp.	588,697	13,299		Corp.	410,526	9,208
	Universal Insurance	000 707	10.010		Civista Bancshares Inc.	407042	0 102
	Holdings Inc.	826,787	13,212		Mid Penn	497,943	9,182
	First Financial Corp.	303,927	13,078		Bancorp Inc.	374,344	9,089
	GCM Grosvenor Inc.	1 407000	10.070	*	Southern California	374,344	3,083
1	Class A	1,437,229	12,878		Bancorp	523,200	9,078
1	Burke & Herbert Financial Services				Sierra Bancorp	399,592	9,011
	Corp.	202,900	12,762		First of Long Island	000,002	0,011
	Tiptree Inc. Class A	651,681	12,356		Corp.	676,836	8,961
*	World Acceptance	001,001	12,000	*	Greenlight Capital Re		-,
	Corp.	94,353	12,316		Ltd. Class A	776,574	8,868
	Bar Harbor	01,000	12,010		First Bancorp Inc.	312,385	8,815
	Bankshares	412,183	12,102		West Bancorp Inc.	414,402	8,785
1	B. Riley Financial Inc.	573,323	12,034		Peoples Financial		-,
	Alerus Financial Corp.	537,268	12,029		Services Corp.	179,285	8,731
	Arrow Financial Corp.	425,176	11,879		FS Bancorp Inc.	235,608	8,708
	TPG RE Finance	-, -	,		Home Bancorp Inc.	206,339	8,668
	Trust Inc.	1,817,114	11,811		Primis Financial Corp.	682,667	8,643
1	Invesco Mortgage				Waterstone		
	Capital Inc.	1,324,933	11,739		Financial Inc.	604,252	8,580
1	NewtekOne Inc.	847,975	11,702		Citizens Financial		
	Capital City Bank				Services Inc.	131,902	8,537
	Group Inc.	397,180	11,689		James River Group		
	Northeast Bank	206,474	11,395		Holdings Ltd.	921,185	8,512
	First Bank	770,907	11,332		South Plains	000 500	0.474
	ACNB Corp.	240,241	10,753		Financial Inc.	292,506	8,471
*,1	Forge Global				MBIA Inc.	1,382,103	8,458
	Holdings Inc.	3,118,181	10,695		First Business Financial		
*	Carter	740.005	40.050		Services Inc.	210,016	8,422
	Bankshares Inc.	712,025	10,659		Codorus Valley	210,010	0,422
²	LendingTree Inc.	347,613	10,540		Bancorp Inc.	327,297	8,412
	Macatawa Bank	925,613	10 441	*	Southern First	02,,20,	0,112
	Corp. Hingham Institution	920,013	10,441		Bancshares Inc.	226,710	8,411
	For Savings	53,653	10,430		RBB Bancorp	440,333	8,384
	SmartFinancial Inc.	423,631	10,430		Unity Bancorp Inc.	282,715	8,366
	Esquire Financial	420,001	10,070		Farmers &		
	Holdings Inc.	206,705	10,327		Merchants		
	Northrim	_00,.00	.0,027		Bancorp Inc.	333,453	8,270
	Bancorp Inc.	176,916	10,121		Guaranty		
	Bank of Marin				Bancshares Inc.	245,483	8,253
		117000	0.000		Enterprise		
	Bancorp	447,868	9,862		Bancorp Inc.	255,668	8,248

		Shares	Value• (\$000)			Shares	Market Value• (\$000)
1	NexPoint Diversified				National		
	Real Estate Trust	1,031,167	8,198		Bankshares Inc.	192,376	6,223
	MidWestOne				Parke Bancorp Inc.	306,015	6,197
	Financial Group Inc.	298,754	8,039		ChoiceOne Financial		
	Donegal Group Inc.				Services Inc.	210,670	6,173
	Class A	562,139	7,864		AG Mortgage		
	John Marshall				Investment	005 455	0.400
*	Bancorp Inc.	346,600	7,819		Trust Inc.	965,155	6,129
	Bridgewater Bancshares Inc.	574,377	7,766		Investors Title Co.	37,598	6,096
	Fidelity D&D	574,577	7,700		Bankwell Financial Group Inc.	201,545	6,083
	Bancorp Inc.	132,823	7,708	1	Sachem Capital Corp.	1,619,896	6,058
	Five Star Bancorp	293,908	7,694	*	Ponce Financial	1,013,830	0,058
	Norwood Financial	200,000	7,004		Group Inc.	620,432	6,055
	Corp.	233,197	7,675		Capital Bancorp Inc.	250,159	6,054
	Timberland		,		Southern States	200,100	0,001
	Bancorp Inc.	242,733	7,636		Bancshares Inc.	206,492	6,046
*	Blue Foundry			*	Sterling Bancorp Inc.	1,047,247	6,043
	Bancorp	782,802	7,570		First Internet	, - ,	-,
1	Chicago Atlantic Real				Bancorp	247,933	5,997
	Estate Finance Inc.	466,820	7,553		LINKBANCORP Inc.	752,326	5,996
	Middlefield Banc			*	Ocwen Financial		
	Corp.	232,314	7,520		Corp.	193,274	5,945
	Central Valley				Greene County		
	Community Bancorp	335,244	7,493		Bancorp Inc.	210,368	5,932
	PCB Bancorp	401,511	7,493		Regional		5.074
	Colony Bankcorp Inc.	550,804	7,400		Management Corp.	234,220	5,874
*	FVCBankcorp Inc.	514,940	7,320		MainStreet Bancshares Inc.	225 247	E 926
*	Third Coast	514,540	7,012		Silvercrest Asset	235,247	5,836
	Bancshares Inc.	367,175	7,296		Management		
	Oak Valley Bancorp	239,900	7,185		Group Inc. Class A	330,416	5,617
	Red River		.,		Northeast		-,
	Bancshares Inc.	127,746	7,168		Community		
*	eHealth Inc.	816,369	7,119		Bancorp Inc.	315,219	5,592
	Plumas Bancorp	168,907	6,984		BCB Bancorp Inc.	430,285	5,529
1	Medallion Financial				HomeStreet Inc.	535,464	5,515
	Corp.	698,986	6,885		First Community		
	Princeton				Corp.	254,872	5,487
	Bancorp Inc.	191,688	6,882	*	California Bancorp	219,318	5,430
	MVB Financial Corp.	303,098	6,838		Chemung Financial		
	C&F Financial Corp.	99,227	6,766		Corp.	107,126	5,335
	Orange County	444,000	0 707		LCNB Corp.	335,831	5,296
	Bancorp Inc.	111,832	6,737		Peoples Bancorp of North Carolina Inc.	172,294	5,202
	Virginia National Bankshares Corp.	105 779	6,731		Evans Bancorp Inc.	164,147	5,202 5,176
	Oppenheimer	195,778	0,731		ESSA Bancorp Inc.	257,669	5,170
	Holdings Inc.				Meridian Corp.	367,884	5,135
	Class A	158,975	6,569	*,1	Hagerty Inc. Class A	651,800	5,084
1	AFC Gamma Inc.	544,493	6,550	1	Angel Oak Mortgage	001,000	3,004
	Ames National Corp.	304,055	6,489		REIT Inc.	472,039	5,004
	HBT Financial Inc.	305,390	6,447	*	Pioneer Bancorp Inc.	497,336	4,978
	Seven Hills Realty				Investar Holding	,000	.,
	Trust	482,900	6,249		Corp.	331,586	4,944
	Western New			*	Provident	-	
	England				Bancorp Inc.	470,772	4,741
	Bancorp Inc.	692,944	6,236	*	Heritage Insurance		
					Holdings Inc.	724,037	4,721

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	OP Bancorp	427,154	4,677		Union		
*	NI Holdings Inc.	346,693	4,504		Bankshares Inc.	92,353	2,831
	First United Corp.	188,849	4,440	*,1	OppFi Inc.	543,794	2,784
*	First Western	100,049	4,440	*	Security National	010,701	2,701
	Financial Inc.	222,640	4,415		Financial Corp.		
	Penns Woods	222,040	4,415		Class A	308,551	2,777
	Bancorp Inc.	190,732	4,293		First Savings	000,001	2,
*,1		130,732	4,233		Financial Group Inc.	159,427	2,678
, '	American Coastal Insurance Corp.	440 601	4 100		Franklin Financial	100,127	2,070
		440,681	4,169		Services Corp.	82,388	2,599
	Hawthorn	164 200	4 100		Finward Bancorp	101,400	2,535
	Bancshares Inc.	164,209	4,166		Territorial	101,400	2,000
	Eagle Bancorp	057540	4.007		Bancorp Inc.	226 146	2 5 2 2
* *	Montana Inc.	257,546	4,067	*,1		226,146	2,522
*,1	Bakkt Holdings Inc.	1,805,265	4,026	*	SWK Holdings Corp.	138,755	2,432
	Bank7 Corp.	146,279	4,001	²	ACRES Commercial	0.45.055	0.000
	First Northwest				Realty Corp.	245,355	2,360
	Bancorp	246,872	3,935	*,3	1895 Bancorp of	004 470	
*	Heritage Global Inc.	1,401,176	3,895	,	Wisconsin Inc.	331,179	2,291
	William Penn			*	USCB Financial		
	Bancorp	318,150	3,885		Holdings Inc.	185,252	2,269
*	Velocity Financial Inc.	225,504	3,883		Provident Financial		
	Guild Holdings Co.				Holdings Inc.	178,916	2,256
	Class A	272,500	3,840		Summit State Bank	181,477	2,178
*	ECB Bancorp Inc.	306,402	3,836		Old Point Financial		
	Federal Agricultural		-,		Corp.	119,700	2,122
	Mortgage Corp.				TC Bancshares Inc.	151,263	2,071
	Class A	24,386	3.832		First Guaranty		
	Nexpoint Real Estate	,	-,		Bancshares Inc.	167,977	1,868
	Finance Inc.	241,453	3,803		Lument Finance		
*,1	Citizens Inc. Class A	1,402,435	3,773		Trust Inc.	799,449	1,863
*	Oportun Financial	1,102,100	0,770	*,1	Dave Inc.	214,024	1,795
	Corp.	960,206	3,754	*	NSTS Bancorp Inc.	186,636	1,752
	Great Ajax Corp.	691,162	3,663	*	Broadway Financial		, -
	Riverview	001,102	5,005		Corp.	264,266	1,752
	Bancorp Inc.	571,750	3,659		Associated Capital	,	.,
*,1	Hippo Holdings Inc.	399,918	3,647		Group Inc. Class A	48,920	1,747
,.				*,1	SR Bancorp Inc.	174,600	1,669
	First National Corp.	165,138	3,592	*	Catalyst Bancorp Inc.	151,200	1,639
	Westwood Holdings	077674	2 400	*	Finance of America	101,200	1,000
1	Group Inc.	277,674	3,490		Cos. Inc. Class A	1,481,602	1,630
1	Cherry Hill Mortgage	045.075	0.410		Blue Ridge	1,401,002	1,000
	Investment Corp.	845,975	3,418		Bankshares Inc.	525,645	1,593
-	loanDepot Inc.	061 055	2 202		First Capital Inc.	525,045 56,504	1,542
×	Class A	961,855	3,386	*,1		50,504	1,042
*	Maiden Holdings Ltd.		3,380	51	GoHealth Inc.	102 400	1 001
	BankFinancial Corp.	328,418	3,370		Class A	103,499	1,381
*	Luther Burbank Corp.	304,937	3,266		Manhattan Bridge	262.050	1 005
	First Financial			*	Capital Inc.	262,659	1,305
	Northwest Inc.	230,131	3,102	Ĵ.	Great Elm Group Inc.	643,568	1,249
1	Ellington Residential			1	Hennessy		
	Mortgage REIT	486,682	2,983		Advisors Inc.	185,534	1,245
	United Security				AmeriServ	054	
	Bancshares	353,209	2,970		Financial Inc.	351,357	1,137
*,1	Consumer Portfolio			*,1	NeuroOne Medical		
	Services Inc.	316,832	2,969		Technologies Corp.	712,451	1,126
1	BV Financial Inc.	207,878	2,948		US Global		
*	Finwise Bancorp	200,082	2,863		Investors Inc.		
*,1	Caret Holdings Inc.		_,000		Class A	376,672	1,062
	Class A	270,892	2,839				

		Shares	Market Value∙ (\$000)			Shares	Market Value• (\$000)
*,1	Nicholas				UnitedHealth		
	Financial Inc.	148,305	1,013		Group Inc.	29,032,311	15,284,641
*	Bogota Financial				Johnson & Johnson	75,569,538	11,844,769
	Corp.	117,122	942		Merck & Co. Inc.	79,570,231	8,674,747
*	Kingsway Financial				AbbVie Inc.	55,427,844	8,589,653
	Services Inc.	110,758	930		Thermo Fisher		
	Hanover Bancorp Inc.	. 52,401	924		Scientific Inc.	12,126,517	6,436,634
	Bayfirst Financial	05 070	054		Abbott Laboratories	54,507,932	5,999,688
	Corp.	65,679	851		Pfizer Inc.	177,271,872	5,103,657
	MarketWise Inc.	304,854	832		Amgen Inc.	16,803,951	4,839,874
	Bank of the James Financial Group Inc.	66,294	798		Danaher Corp.	20,879,269	4,830,210
*,1	Doma Holdings Inc.	164,352	761	*	Intuitive Surgical Inc.		3,732,129
*,1	Curo Group Holdings		701		Elevance Health Inc.	7,379,960	3,480,094
	Corp.	735,347	588		Medtronic plc	41,766,386	3,440,715
*	Lake Shore			•	Vertex	0.000.005	2 202 056
	Bancorp Inc.	49,379	577		Pharmaceuticals Inc		3,293,056
*,1	Daxor Corp.	47,328	454		Bristol-Myers Squibb Co.	63,874,220	3,277,386
*	PB Bankshares Inc.	34,141	428		Stryker Corp.	10,738,705	3,215,813
*	Kingstone Cos. Inc.	193,591	412		Gilead Sciences Inc.		3,170,682
*	BM Technologies Inc.	196,926	404	*	Regeneron	00,100,000	0,170,002
*	Patriot National				Pharmaceuticals Inc	. 3.196.827	2,807,741
	Bancorp Inc.	101,605	389		Cigna Group	9,190,550	2,752,110
*	Ashford Inc.	104,740	385	*	Boston Scientific	-,,	_,,
*	Siebert Financial				Corp.	46,026,637	2,660,800
	Corp.	188,535	317		Zoetis Inc. Class A	12,973,759	2,560,631
	Safeguard	005 500	000		Becton Dickinson &		
*,1	Scientifics Inc.	385,500	302		Co.	9,121,263	2,224,038
*	Bitcoin Depot Inc.	83,372	269		Humana Inc.	3,867,859	1,770,745
	Carver Bancorp Inc.	133,111	262		HCA Healthcare Inc.	6,305,635	1,706,809
	Village Bank & Trust Financial Corp.	5,610	224	*	Dexcom Inc.	12,125,470	1,504,650
*	OptimumBank	5,010	224	*	Edwards		
	Holdings Inc.	53,069	220		Lifesciences Corp.	19,055,067	1,452,949
*	BioRestorative	,		•	IDEXX	0.010.005	1 440 000
	Therapies Inc.	100,161	171	*	Laboratories Inc.	2,610,285	1,448,839
	Texas Community				IQVIA Holdings Inc. Agilent	5,730,084	1,325,827
	Bancshares Inc.	9,328	131		Technologies Inc.	9,185,699	1,277,088
	First Seacoast			*	Centene Corp.	16,797,712	1,246,558
	Bancorp	17,374	131	*	Biogen Inc.	4,558,606	1,179,630
	Atlantic American	00.000	70	*	Moderna Inc.	10,801,509	1,074,210
*,1	Corp.	30,638	73		GE HealthCare	10,001,000	1,07 1,210
*	CXApp Inc.	50,571	65		Technologies Inc.	12,125,570	937,549
	FG Financial Group Inc.	35,157	55		West Pharmaceutica	l i i	
*	Vericity Inc.	3,536	40		Services Inc.	2,325,488	818,851
*	Generations Bancorp		-10		Zimmer Biomet		
	NY Inc.	3,634	37		Holdings Inc.	6,559,400	798,279
*	SHF Holdings Inc.	20,499	29	*	Veeva Systems Inc.		700.004
*	CaliberCos Inc.	.,			Class A	4,135,783	796,221
	Class A	7,900	10		ResMed Inc.	4,617,511	794,304
*	Hallmark Financial			*	Cardinal Health Inc.	7,729,568	779,140
	Services Inc.	3,070	3		Alnylam Pharmaceuticals Inc	3 959 777	757,941
*	Conifer Holdings Inc.	1,497_	2	*	Illumina Inc.	4,973,266	692,478
		-	157,159,411		STERIS plc	3,099,855	681,503
Healt	h Care (12.0%)			*	Molina	0,000,000	001,000
	Eli Lilly & Co.	26,822,326	15,635,270		Healthcare Inc.	1,828,965	660,823

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	Align Technology Inc. Baxter	2,282,857	625,503	*	Acadia Healthcare Co. Inc.	2,761,951	214,769
	International Inc. Laboratory Corp. of	15,912,640	615,183		Encompass Health Corp.	3,157,194	210,648
	America Holdings	2,662,879	605,246		Bruker Corp.	2,853,983	209,711
	Cooper Cos. Inc.	1,554,955	588,457	*	Intra-Cellular	2,000,000	200,711
*	BioMarin Pharmaceutical Inc.	5,909,902	569,833	*	Therapies Inc. Bio-Rad	2,918,925	209,053
*	Hologic Inc.	7,567,981	540,732		Laboratories Inc.		
	Quest	7,007,001	040,702		Class A	640,305	206,748
	Diagnostics Inc.	3,523,191	485,778		Ensign Group Inc.	1,789,367	200,785
*	Avantor Inc.	21,177,199	483,475	*	Globus Medical Inc.		
*	Insulet Corp.	2,188,573	474,877		Class A	3,678,084	196,005
	Revvity Inc.	3,895,266	425,792	*	Option Care		
*	Exact Sciences Corp.	5,667,673	419,294		Health Inc.	5,607,168	188,906
*	Neurocrine			*	Apellis	0 107000	407000
	Biosciences Inc.	3,109,713	409,736	*	Pharmaceuticals Inc.	3,137,929	187,836
	Viatris Inc.	37,642,800	407,672		Inspire Medical	022.020	107750
	Bio-Techne Corp.	4,968,087	383,338	*	Systems Inc. Masimo Corp.	922,920	187,750
*	Charles River			*	HealthEquity Inc.	1,584,157 2,680,070	185,679 177,689
	Laboratories			*	Blueprint Medicines	2,060,070	177,069
,	International Inc.	1,609,522	380,491		Corp.	1,922,505	177,332
*	Incyte Corp.	5,965,113	374,549	*	Vaxcyte Inc.	2,657,954	166,920
	Teleflex Inc.	1,479,681	368,944	*	Bridgebio	2,007,004	100,020
	Royalty Pharma plc	11 020 022	225 267		Pharma Inc.	4,132,646	166,835
*	Class A Karuna	11,939,033	335,367	*	DaVita Inc.	1,573,652	164,856
	Therapeutics Inc.	1,031,346	326,431	*	10X Genomics Inc. Class A	2,931,539	164,049
*	United Therapeutics	4 475 070	004 500	*	Halozyme	2,931,939	104,049
	Corp.	1,475,870	324,529		Therapeutics Inc.	4,144,894	153,195
÷	Henry Schein Inc.	4,094,456	309,991	*	Alkermes plc	5,211,206	144,559
*	Repligen Corp.	1,658,869	298,265	*	REVOLUTION	0,211,200	11,000
	Penumbra Inc.	1,147,047	288,528		Medicines Inc.	4,955,001	142,109
	Chemed Corp.	472,350	276,207	*	Insmed Inc.	4,574,547	141,765
	Universal Health Services Inc.				Perrigo Co. plc	4,250,975	136,796
	Class B	1,809,896	275,901	*	Haemonetics Corp.	1,589,471	135,916
*	Sarepta	1,000,000	270,001	*	Amicus		
	Therapeutics Inc.	2,788,735	268,918		Therapeutics Inc.	9,569,161	135,786
*	Cytokinetics Inc.	3,154,850	263,398	*	Lantheus		
*	ImmunoGen Inc.	8,400,555	249,076		Holdings Inc.	2,152,010	133,425
*	Tenet Healthcare			*	Merit Medical	4 700 005	
	Corp.	3,200,333	241,849	,	Systems Inc.	1,738,225	132,036
*	Catalent Inc.	5,373,843	241,447	*	Envista Holdings	F 470 000	101 000
*	Medpace			*	Corp.	5,479,292	131,832
	Holdings Inc.	772,458	236,782	*	Neogen Corp.	6,107,016	122,812
	DENTSPLY				Ultragenyx Pharmaceutical Inc.	2,537,788	121,357
	SIRONA Inc.	6,636,783	236,203	*	ACADIA	2,337,700	121,557
*	Exelixis Inc.	9,766,182	234,291		Pharmaceuticals Inc.	3 848 518	120,497
*	Jazz Pharmaceuticals	4 000 70 :		*	agilon health Inc.	9,550,403	119,858
*	plc	1,899,704	233,664	*	Teladoc Health Inc.	5,465,436	117,780
-	Elanco Animal	15 515 610	221 102	*	QuidelOrtho Corp.	1,574,859	116,067
*	Health Inc.	15,515,619	231,183		Organon & Co.	8,016,096	115,592
*	Natera Inc.	3,624,753	227,055	*	Glaukos Corp.	1,452,067	115,425
	Shockwave Medical Inc.	1,151,359	219,403	*	Madrigal	,,+02,007	110,420
*	lonis	1,101,008	213,403		Pharmaceuticals Inc.	493,669	114,225
	Pharmaceuticals Inc.	4,275.916	216,319	*	Azenta Inc.	1,724,869	112,358
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		Shares	Market Value∙ (\$000)			Shares	Market Value• (\$000)
*	Evolent Health Inc.			*	SpringWorks		
	Class A	3,385,625	111,827		Therapeutics Inc.	1,922,406	70,168
*	Mirati			*	Crinetics		
	Therapeutics Inc.	1,816,862	106,741		Pharmaceuticals Inc.	1,970,199	70,100
	CONMED Corp.	959,204	105,042	*	Denali		
*	Integer Holdings				Therapeutics Inc.	3,257,822	69,913
	Corp.	1,041,796	103,221	*	Celldex		
*	Inari Medical Inc.	1,562,826	101,459		Therapeutics Inc.	1,717,439	68,114
*	Arrowhead		~~~~~	·	Rocket	0 040 110	67106
	Pharmaceuticals Inc.		99,306	*	Pharmaceuticals Inc. Certara Inc.		67,196
	Axonics Inc.	1,588,517	98,853	*	Ideaya	3,814,093	67,090
	iRhythm Technologies Inc.	918,208	98,285		Biosciences Inc.	1,863,817	66,315
*	Cerevel Therapeutics	910,200	30,203	*	NeoGenomics Inc.	4,085,347	66,101
	Holdings Inc.	2,309,137	97,907	*	PTC Therapeutics Inc.		65,376
*	Fortrea Holdings Inc.	2,776,994	96,917	*	Arcellx Inc.	1,175,998	65,268
*	Amedisys Inc.	1,014,044	96,395	*	RadNet Inc.	1,863,273	64,786
*	Progyny Inc.	2,582,108	96,003	*	Twist Bioscience	,,	.,
*	Prestige Consumer	,,			Corp.	1,719,854	63,394
	Healthcare Inc.	1,566,174	95,881	*	Beam		
*	Guardant Health Inc.	3,517,527	95,149		Therapeutics Inc.	2,302,115	62,664
*	Krystal Biotech Inc.	765,032	94,910	*	Veracyte Inc.	2,277,635	62,658
*	Doximity Inc. Class A	3,384,748	94,908	*	Tandem Diabetes		
*,1	Axsome				Care Inc.	2,073,609	61,337
	Therapeutics Inc.	1,190,855	94,780		Dynavax Technologies	4 0 10 110	50.000
*	Integra LifeSciences	0 050 700	00.050	*	Corp. Arvinas Inc.	4,219,116	58,983
	Holdings Corp.	2,058,729	89,658			1,422,199	58,538
	Rhythm Pharmaceuticals Inc.	1 001 400	87.408		Apollo Medical Holdings Inc.	1,525,379	58,422
*	Enovis Corp.	1,546,372	86,628	*	lovance	1,020,070	50,422
*	Pacific Biosciences	1,540,372	00,020		Biotherapeutics Inc.	7,104,401	57,759
	of California Inc.	8,579,841	84,168	*,1	PROCEPT	.,	
*	Corcept	0,070,011	01,100		BioRobotics Corp.	1,329,448	55,717
	Therapeutics Inc.	2,579,198	83,772	*	Omnicell Inc.	1,424,491	53,604
	Premier Inc. Class A	3,734,693	83,508	*	Vericel Corp.	1,497,790	53,336
*	Cymabay			*	Catalyst		
	Therapeutics Inc.	3,476,988	82,126		Pharmaceuticals Inc.		52,871
*	Intellia			*	Sotera Health Co.	3,119,148	52,558
	Therapeutics Inc.	2,636,708	80,393	*	Viking		50.400
*	Immunovant Inc.	1,875,846	79,029	*	Therapeutics Inc.	2,816,935	52,423
•	Nuvalent Inc. Class A	1,071,131	78,825		Syndax Pharmaceuticals Inc.	2 207205	51,806
	Patterson Cos. Inc.	2,763,530	78,622	*	AtriCure Inc.	1,422,532	50,770
	TransMedics Group Inc.	979,745	77,331	*	R1 RCM Inc.	4,793,504	50,667
*,1	Ginkgo Bioworks	373,743	77,331	*	Myriad Genetics Inc.	2,645,322	50,631
,.	Holdings Inc.			*	Novocure Ltd.	3,379,432	50,455
	Class A	45,147,591	76,299	*,1	Recursion	0,070,102	00,100
*	Surgery Partners Inc.	2,381,871	76,196		Pharmaceuticals Inc.		
	Select Medical				Class A	5,116,069	50,444
	Holdings Corp.	3,195,924	75,104	*	Ironwood		
*	CorVel Corp.	294,506	72,805		Pharmaceuticals Inc.		
*	TG Therapeutics Inc.	4,256,351	72,698	J	Class A	4,175,083	47,763
*	ICU Medical Inc.	722,563	72,068	*	Addus HomeCare	E10 700	47000
*	Privia Health			*	Corp.	513,720	47,699
	Group Inc.	3,126,701	72,008		Supernus Pharmaceuticals Inc.	1 6/11 290	47,502
*	Amphastar	1 161 000	71 000	*	STAAR Surgical Co.	1,512,658	47,302
	Pharmaceuticals Inc.	1,101,880	71,862	*	RayzeBio Inc.	758,478	47,155
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		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	Pacira			*	Collegium		
	BioSciences Inc.	1,393,966	47,032		Pharmaceutical Inc.	991,246	30,511
*,1	Mirum			*	Cytek		
	Pharmaceuticals Inc.	1,516,303	44,761		Biosciences Inc.	3,288,520	29,991
*	Alphatec			*	RAPT		
*	Holdings Inc.	2,945,236	44,503	*	Therapeutics Inc.	1,200,884	29,842
	Owens & Minor Inc.	2,294,526	44,216	Ĵ	MiMedx Group Inc.	3,362,582	29,490
	US Physical	460.000	40.146		Arcus	1 500 405	20 102
*	Therapy Inc.	463,233	43,146		Biosciences Inc.	1,528,425	29,193
*	Ardelyx Inc.	6,867,148	42,576		MannKind Corp.	7,997,219	29,110
*	Inhibrx Inc.	1,098,031	41,725		Pliant Therapeutics Inc.	1,606,245	29,089
	BioCryst Pharmaceuticals Inc.	6,927,612	41,496	*	ADMA Biologics Inc.	6,411,673	28,981
*	Xencor Inc.	1,922,471	40,814	*,1	EvePoint	0,411,073	20,901
	National HealthCare	1,922,471	40,014	,	Pharmaceuticals Inc.	1 253 709	28,973
	Corp.	436,033	40,298	*	Quanterix Corp.	1,054,687	28,835
*	Hims & Hers	100,000	10,200	*	Deciphera	1,001,007	20,000
	Health Inc.	4,519,954	40,228		Pharmaceuticals Inc.	1 760 798	28,402
*	Relay	.,	,	*	Day One	.,,	,
	Therapeutics Inc.	3,651,716	40,205		Biopharmaceuticals		
*	Agios				Inc.	1,932,967	28,221
	Pharmaceuticals Inc.	1,756,423	39,116	*	ANI		
*	UFP				Pharmaceuticals Inc.	506,983	27,955
	Technologies Inc.	226,753	39,011	*,1	Soleno		
*	Protagonist				Therapeutics Inc.	692,700	27,881
	Therapeutics Inc.	1,700,416	38,991	*,1	Cassava		
*	Phreesia Inc.	1,607,539	37,215		Sciences Inc.	1,237,880	27,865
*	Viridian			*	89bio Inc.	2,417,463	27,003
	Therapeutics Inc.	1,706,889	37,176	*	Disc Medicine Inc.	466,139	26,924
*	Warby Parker Inc.			*,1	Cabaletta Bio Inc.	1,172,821	26,623
	Class A	2,577,087	36,337	*	Editas Medicine Inc.	2,598,006	26,318
	LeMaitre		05 400	*,1	Verve		
J	Vascular Inc.	625,200	35,486		Therapeutics Inc.	1,846,281	25,737
	Ligand	405 407	25 200	*	Accolade Inc.	2,115,278	25,405
*	Pharmaceuticals Inc.	495,497	35,388	*	Amylyx		
	Akero Therapeutics Inc.	1 504 409	25 120		Pharmaceuticals Inc.	1,724,366	25,383
*	Sage	1,504,408	35,128	*	Zentalis	4 05 4 040	05 000
	Therapeutics Inc.	1,591,020	34,477	*	Pharmaceuticals Inc.	1,654,319	25,063
*	Geron Corp.	16,290,065	34,372		Amneal Pharmaceuticals Inc.	1 061 070	24 656
*	Morphic Holding Inc.	1,169,956	33,788	*	Varex Imaging Corp.	1,183,858	24,656
	Embecta Corp.	1,784,266	33,776	*,1	Alpine Immune	1,103,000	24,269
*	Harmony	1,704,200	00,770	,.	Sciences Inc.	1,271,329	24,232
	Biosciences			*	Healthcare Services	1,271,525	24,202
	Holdings Inc.	1,030,691	33,291		Group Inc.	2,327,311	24,134
*	Kymera	, ,		*	SI-BONE Inc.	1,147,891	24,094
	Therapeutics Inc.	1,283,411	32,676	*	Revance	1,117,001	21,001
*	Brookdale Senior				Therapeutics Inc.	2,727,369	23,974
	Living Inc.	5,605,895	32,626	*	Pediatrix Medical	_,,	
*	Avanos Medical Inc.	1,449,219	32,506		Group Inc.	2,551,252	23,727
*	Scholar Rock Holding			*	Alignment		
	Corp.	1,715,795	32,257		Healthcare Inc.	2,719,836	23,418
*	Vir Biotechnology Inc.	3,201,683	32,209		National Research		
*	RxSight Inc.	797,938	32,173		Corp.	588,072	23,264
*	Kura Oncology Inc.	2,207,564	31,745	*	Olema		
*	Keros				Pharmaceuticals Inc.		23,154
	Therapeutics Inc.	784,812	31,204	*	Nevro Corp.	1,073,584	23,104

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	4D Molecular			*,1	Marinus		
	Therapeutics Inc.	1,139,344	23,083		Pharmaceuticals Inc.	1.507.998	16,392
*	Arcturus Therapeutic		-,	*	Alector Inc.	2,043,595	16,308
	Holdings Inc.	716,967	22,606	*	Enhabit Inc.	1,542,041	15,960
*	REGENXBIO Inc.	1,239,237	22,244	*	Zimvie Inc.	886,345	15,733
*	Maravai LifeSciences	;		*	Kiniksa		,
	Holdings Inc.				Pharmaceuticals		
	Class A	3,290,910	21,555		Ltd. Class A	893,713	15,676
*	Travere			*	GoodRx Holdings Inc.		
	Therapeutics Inc.	2,383,520	21,428		Class A	2,333,432	15,634
*,1	ImmunityBio Inc.	4,255,631	21,363	*	AN2		
*,1	Anavex Life Sciences		04 405		Therapeutics Inc.	749,421	15,356
	Corp.	2,266,872	21,105	*	Surmodics Inc.	421,394	15,318
	Zymeworks Inc.	2,028,900	21,080	*	Atrion Corp.	39,845	15,093
	Avidity Biosciences Inc.	2,312,947	20,932	*	Health Catalyst Inc.	1,626,169	15,058
*	OmniAb Inc.	3,296,609	20,332		Cogent	2 552 205	15 007
*	Artivion Inc.	1,123,317	20,340	*,1	Biosciences Inc.	2,552,205	15,007
*	Adaptive	1,123,317	20,005	, '	Nurix Therapeutics Inc.	1,429,349	14,751
	Biotechnologies			*	Ocular	1,429,349	14,751
	Corp.	4,084,649	20,015		Therapeutix Inc.	3,289,162	14,670
*,1	Apogee	,,.	-,	*	Orthofix Medical Inc.	1,079,096	14,546
	Therapeutics Inc.	709,568	19,825	*	OrthoPediatrics Corp.	446,225	14,507
	HealthStream Inc.	721,873	19,512	*	Silk Road	110,220	11,007
*	Dyne				Medical Inc.	1,168,288	14,335
	Therapeutics Inc.	1,453,532	19,332		Tourmaline Bio Inc.	544,450	14,254
*	CareDx Inc.	1,607,580	19,291	*	DocGo Inc.	2,537,297	14,184
*	OPKO Health Inc.	12,728,537	19,220	*	KalVista	, , .	
*	Ambrx				Pharmaceuticals Inc.	1,153,121	14,126
	Biopharma Inc.	1,340,800	19,093	*	Organogenesis		
*	BioLife Solutions Inc.		19,067		Holdings Inc.		
*	Savara Inc.	3,930,071	18,471		Class A	3,432,061	14,037
*	Tarsus			*,1	Theravance		
	Pharmaceuticals Inc		18,461	*	Biopharma Inc.	1,226,993	13,791
*,1	Liquidia Corp.	1,531,173	18,420		MaxCyte Inc.	2,818,256	13,246
*,1	LifeStance Health	2 250 645	10,400		Edgewise	1 100 600	10 114
*,1	Group Inc. Novavax Inc.	2,350,645	18,406	*	Therapeutics Inc. Pulmonx Corp.	1,198,693	13,114
*,1	Altimmune Inc.	3,816,536	18,319	*	Caribou	1,028,344	13,111
*	ACELYRIN Inc.	1,617,739 2,415,024	18,200 18,016		Biosciences Inc.	2,272,290	13,020
*	MacroGenics Inc.	2,415,024 1,839,450	17,696	*,1	Vera	2,272,250	13,020
*	OraSure	1,039,450	17,030		Therapeutics Inc.		
	Technologies Inc.	2,157,546	17,692		Class A	835,574	12,851
*	Treace Medical	2,107,040	17,002	*	Avid Bioservices Inc.	1,945,642	12,647
	Concepts Inc.	1,378,355	17,574	*	Paragon 28 Inc.	1,009,325	12,546
*	Fulgent Genetics Inc		17,453	*	Replimune		
*	ModivCare Inc.	394,429	17,351		Group Inc.	1,483,980	12,510
*	Multiplan Corp.	12,035,952	17,332	*,1	Immunome Inc.	1,168,900	12,507
*	Evolus Inc.	1,640,561	17,275	*	Community Health		
*	Icosavax Inc.	1,095,971	17,273		Systems Inc.	3,983,855	12,469
*	Castle		, -	*,1	Allogene	0.070	
	Biosciences Inc.	796,167	17,181		Therapeutics Inc.	3,876,439	12,443
*	PetIQ Inc. Class A	867,296	17,129	*,1	ORIC	1 0 40 40 4	10 110
*	AdaptHealth Corp.			*	Pharmaceuticals Inc.	1,349,104	12,412
	Class A	2,337,979	17,044	*	ALX Oncology	021 570	10 202
*,1	Tango			*	Holdings Inc. AnaptysBio Inc.	831,579 574,201	12,382
	Therapeutics Inc.	1,700,696	16,837			574,301	12,302

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	Sana			*,1	Korro Bio Inc.	175,933	8,432
	Biotechnology Inc.	2,968,610	12,112	*,1	Bluebird Bio Inc.	6,048,441	8,347
*,1	Prime Medicine Inc.	1,363,505	12,081	*,1	Genelux Corp.	591,200	8,283
*,1	Lyell			*,1	Arbutus Biopharma		-,
	Ímmunopharma Inc.	6,174,266	11,978		Corp.	3,300,543	8,251
*,1	HilleVax Inc.	734,955	11,796	*	Aura Biosciences Inc.		8,189
*	Pennant Group Inc.	840,720	11,703		Utah Medical		-,
*	Fulcrum				Products Inc.	96,930	8,163
	Therapeutics Inc.	1,694,516	11,438	*,1	Arcutis	,	-,
*	Voyager				Biotherapeutics Inc.	2,501,217	8,079
	Therapeutics Inc.	1,344,790	11,350	*,1	Esperion	, ,	-,
*,1	Fennec				Therapeutics Inc.	2,691,796	8,048
	Pharmaceuticals Inc.	1,004,000	11,265	*	Applied		
*,1	Avita Medical Inc.	816,217	11,199		Therapeutics Inc.	2,396,489	8,028
*,1	Harrow Inc.	992,128	11,112	*,1	Celcuity Inc.	550,479	8,020
*	Cerus Corp.	5,068,933	10,949	*	Agiliti Inc.	1,009,959	7,999
*,1	Coherus	-,	-,	*,1	Zynex Inc.	732,906	7,981
	Biosciences Inc.	3,264,178	10,870	*	Mersana	,	.,
*,1	Biomea Fusion Inc.	745,055	10,818		Therapeutics Inc.	3,413,782	7,920
*	SomaLogic Inc.	4,157,015	10,517	*	Y-mAbs		
*	American Well Corp.	1 - 1	-,-		Therapeutics Inc.	1,159,178	7,906
	Class A	6,917,282	10,307	*	Terns		
*,1	Phathom	-,- , -	-,		Pharmaceuticals Inc.	1,218,066	7,905
	Pharmaceuticals Inc.	1,108,452	10,120	*,1	Agenus Inc.	9,494,960	7,861
*	Tactile Systems			*,1	Taysha Gene		
	Technology Inc.	702,000	10,039		Therapies Inc.	4,387,426	7,766
*	CVRx Inc.	316,816	9,961	*,1	23andMe Holding		
*	Anika	,	-,		Co. Class A	8,501,758	7,766
	Therapeutics Inc.	438,739	9,942	*	Rigel		
*	Clover Health	,	- , -		Pharmaceuticals Inc.	5,156,463	7,477
	Investments Corp.			*,1	Aerovate		
	Class A	10,280,134	9,788		Therapeutics Inc.	328,971	7,445
	iRadimed Corp.	204,905	9,727	*,1	Senseonics		
*,1	Scilex Holding Co.	4,763,028	9,717		Holdings Inc.	12,947,685	7,381
*,1	Enliven			*	Sutro Biopharma Inc.	1,708,596	7,330
	Therapeutics Inc.	699,300	9,678	*	Vanda		
*	Xeris Biopharma				Pharmaceuticals Inc.	1,722,130	7,267
	Holdings Inc.	4,106,991	9,651	*	OptimizeRx Corp.	505,901	7,239
*	Fate			*,1	Absci Corp.	1,708,381	7,175
	Therapeutics Inc.	2,562,686	9,584	*,1	C4 Therapeutics Inc.	1,268,599	7,168
*	Sharecare Inc.	8,872,250	9,582	*,1	Gossamer Bio Inc.	7,830,376	7,145
*,1	Summit			*	Viemed	.,,	.,
	Therapeutics Inc.	3,662,182	9,558		Healthcare Inc.	907,059	7,120
*	AngioDynamics Inc.	1,212,644	9,507	*	TScan	,	.,
*	Cullinan	, ,-	-,		Therapeutics Inc.	1,190,934	6,943
	Oncology Inc.	922,529	9,401	*	Atea	.,	-,
*	Axogen Inc.	1,375,595	9,395		Pharmaceuticals Inc.	2,253,893	6,874
*,1	Entrada	,,	-,	*,1	Harpoon	,,	- / -
	Therapeutics Inc.	602,072	9,085		Therapeutics Inc.	603,141	6,858
*	Outset Medical Inc.	1,666,098	9,014	*	InfuSystem		
*	Semler Scientific Inc.	202,309	8,960		Holdings Inc.	645,855	6,807
*	Talkspace Inc.	3,519,033	8,938	*,1	Zomedica Corp.	33,687,896	6,744
*	Accuray Inc.	3,121,853	8,835	*	Harvard		
*	Astria	3,121,000	0,000		Bioscience Inc.	1,259,834	6,740
	Therapeutics Inc.	1,134,044	8,709		SIGA		
*,1	908 Devices Inc.	758,127	8,506		Technologies Inc.	1,189,862	6,663
*	iTeos	/ 00,127	0,000		Phibro Animal Health		,
	Therapeutics Inc.	771,420	8,447		Corp. Class A	569,430	6,594
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0,117				

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*,1	Vistagen			*	Computer Programs		
	Therapeutics Inc.	1,277,510	6,566		& Systems Inc.	463,726	5,194
*	Invivyd Inc.	1,620,200	6,384	*,1	Invitae Corp.	8,208,345	5,145
*,1	Orchestra BioMed	1,020,200	0,001	*	Acumen	0,200,010	0,110
	Holdings Inc.	697,362	6,367		Pharmaceuticals Inc.	1.319.129	5,065
*,1	Tyra Biosciences Inc.	458,562	6,351	*	Poseida	,- , -	-,
*,1	Zevra		-,		Therapeutics Inc.		
	Therapeutics Inc.	967,269	6,336		Class A	1,506,603	5,062
*	Codexis Inc.	2,072,588	6,321	*,1	XOMA Corp.	272,821	5,047
*	Standard			*	Allakos Inc.	1,821,663	4,973
	BioTools Inc.	2,856,696	6,313	*,1	Lineage Cell		
*	Nuvation Bio Inc.	4,178,976	6,310		Therapeutics Inc.	4,523,730	4,931
*,1	ARS			*	Praxis Precision		
	Pharmaceuticals Inc.	1,134,600	6,218		Medicines Inc.	219,483	4,890
*,1	CorMedix Inc.	1,649,126	6,201	*	Myomo Inc.	958,764	4,803
*,1	2seventy bio Inc.	1,443,176	6,162	*	Annexon Inc.	1,055,049	4,790
*,1	Nkarta Inc.	931,700	6,149	*,1	Monte Rosa		
*,1	Heron				Therapeutics Inc.	844,219	4,770
	Therapeutics Inc.	3,607,037	6,132	*	PMV		
*	Puma				Pharmaceuticals Inc.		4,726
	Biotechnology Inc.	1,414,207	6,124	, ,	Humacyte Inc.	1,620,693	4,603
*,1	Verastem Inc.	746,247	6,074	*,1	Immuneering Corp.	010 500	4 500
*,1	Quantum-Si Inc.	3,012,870	6,056	*	Class A	616,596	4,532
*,1	Verrica			*,1	Joint Corp.	469,145	4,508
*	Pharmaceuticals Inc.	814,672	5,963	, ' *,1	Sight Sciences Inc.	863,824	4,457
*	Ovid therapeutics	4 054 570	5 000	-, I	Butterfly Network Inc.	4,113,565	4,443
¥ 1	Inc.	1,851,578	5,962	*,1	X4	4,113,505	4,443
*,1	Omeros Corp.	1,822,044	5,958	, '	Pharmaceuticals Inc.	5 283 9/9	4,431
	Aldeyra	1 606 710		*,1	Ocugen Inc.	7,596,773	4,368
*,1	Therapeutics Inc. Janux	1,696,710	5,955	*	Akoya	1,000,770	4,000
, '	Therapeutics Inc.	548,511	5,886		Biosciences Inc.	881,015	4,299
*,1	Akebia	540,511	5,000	*	Merrimack	001,010	.,200
	Therapeutics Inc.	4,709,482	5,840		Pharmaceuticals Inc.	318,128	4,266
*	Inozyme Pharma Inc.	1,351,902	5,759	*,1	Tela Bio Inc.	642,283	4,252
*,1	Lexicon	1,001,002	0,700	*,1	Annovis Bio Inc.	225,507	4,217
	Pharmaceuticals Inc.	3,702,774	5,665	*,1	Inovio		
*	Third Harmonic	-, -,	-,		Pharmaceuticals Inc.	8,260,428	4,213
	Bio Inc.	516,335	5,664	*,1	PDS Biotechnology		
*	Mineralys				Corp.	845,684	4,203
	Therapeutics Inc.	658,659	5,664	*	Syros		
*	Enanta				Pharmaceuticals Inc.	535,713	4,173
	Pharmaceuticals Inc.	592,129	5,572	*,1	Seres		
*,1	ClearPoint Neuro Inc.	819,120	5,562		Therapeutics Inc.	2,966,502	4,153
*	FONAR Corp.	282,837	5,532	*,1	Inmune Bio Inc.	361,452	4,070
*,1	Stoke			*,1	Actinium	704.470	
	Therapeutics Inc.	1,029,440	5,415		Pharmaceuticals Inc.	794,173	4,034
*,1	Gritstone bio Inc.	2,636,056	5,378	•	Ventyx	1 000 001	0.070
*,1	Precigen Inc.	3,991,343	5,348	*,1	Biosciences Inc.	1,608,361	3,973
*,1	scPharmaceuticals	0.47.00 -	F 0.40	*,1	G1 Therapeutics Inc.	1,295,502	3,951
	Inc.	847,334	5,313	*	GlycoMimetics Inc.	1,661,637	3,921
*,1	Shattuck Labs Inc.	731,691	5,217	*	Erasca Inc.	1,830,279	3,899
*	Tenaya	1 010 005	F 040		Perspective	0 672 212	2 000
*	Therapeutics Inc.	1,610,005	5,216	*,1	Therapeutics Inc.	9,673,312 460,333	3,889
-	Nautilus			*,1	IGM Biosciences Inc. Innovage Holding	400,333	3,825
	Biotechnology Inc. Class A	1,742,974	5,212	, '	Corp.	630,750	3,785
	01000 A	1,172,014	0,212	*	Inogen Inc.	688,056	3,777
					mogen me.	000,000	3,777

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*,1	Capricor			*,1	Eton		
	Therapeutics Inc.	767,235	3,752		Pharmaceuticals Inc.	681,717	2,986
*	Relmada			*	Kodiak Sciences Inc.	980,492	2,981
	Therapeutics Inc.	904,705	3,745	*,1	Sanara Medtech Inc.	71,464	2,937
*	Aveanna Healthcare			*	Personalis Inc.	1,375,373	2,888
	Holdings Inc.	1,391,988	3,731	*	Athira Pharma Inc.	1,183,657	2,876
*,1	Emergent			*	KORU Medical		
	BioSolutions Inc.	1,543,545	3,705		Systems Inc.	1,140,651	2,800
*,1	Abeona			*	Chimerix Inc.	2,904,360	2,795
J	Therapeutics Inc.	738,626	3,701	*,1	Karyopharm		
*	Larimar	011 101	0.000		Therapeutics Inc.	3,209,249	2,776
*,2	Therapeutics Inc.	811,421	3,692	*	Electromed Inc.	253,800	2,769
*,1	PDL BioPharma Inc.	2,258,201	3,636	*	NeuroPace Inc.	267,456	2,757
*,1	CEL - SCI Corp.	1,336,126	3,634	*	Longboard		
", I	Pulse Biosciences Inc.	296,203	2 626		Pharmaceuticals Inc.	454,801	2,742
*,1	Reviva	290,203	3,626	*,1	Hyperfine Inc.		
,.	Pharmaceuticals				Class A	2,390,349	2,677
	Holdings Inc.	700,442	3,607	*,1	Apyx Medical Corp.	1,015,930	2,662
*	Anixa		-,	*,1	Inotiv Inc.	720,906	2,646
	Biosciences Inc.	927,841	3,600	*,1	Cartesian	0 700 007	0.010
*	Bioventus Inc.			*	Therapeutics Inc.	3,799,067	2,619
	Class A	679,103	3,579		Neuronetics Inc.	902,726	2,618
*,1	Foghorn				Oncology Institute Inc.	1,273,384	2,598
	Therapeutics Inc.	550,850	3,553	*,1	FibroGen Inc.	2,912,350	2,580
*,1	Sera Prognostics Inc.			*	Stereotaxis Inc.	1,470,512	2,561
	Class A	586,201	3,505	*	Generation Bio Co.		
*,1	Biote Corp. Class A	708,040	3,498	*,1	AirSculpt	1,555,025	2,566
*	Lyra Therapeutics Inc.	661,817	3,468	, '	Technologies Inc.	341,234	2,556
*	Compass			*	Graphite Bio Inc.	969,009	2,530
	Therapeutics Inc.	2,187,972	3,413	*,1	XBiotech Inc.	622,546	2,333
*,1	Optinose Inc.	2,642,428	3,409	*,1	Asensus Surgical Inc.	7,734,650	2,467
*	Black Diamond			*,1	Vaxart Inc.	4,069,328	2,407
* *	Therapeutics Inc.	1,204,957	3,386	*	aTyr Pharma Inc.	4,003,320	2,331
*,1	CytomX	2 102 220	2 202	*	Sangamo	1,002,000	2,001
*,1	Therapeutics Inc.	2,182,220	3,382		Therapeutics Inc.	4,281,700	2,326
, 1	Atossa Therapeutics Inc.	3,779,376	3,326	*	SCYNEXIS Inc.	1,040,219	2,320
*	Lexeo	3,779,370	3,320	*,1	Bionano	1,010,210	2,020
	Therapeutics Inc.	247,281	3,319		Genomics Inc.	1,218,851	2,304
*	Augmedix Inc.	564,821	3,304	*,1	Vor BioPharma Inc.	990,141	2,228
*	Nektar Therapeutics	004,021	0,004	*	Aquestive		_/
	Class A	5,846,571	3,303		Therapeutics Inc.	1,096,885	2,216
*	Assertio	0,010,071	0,000	*	Werewolf		
	Holdings Inc.	3,013,166	3,224		Therapeutics Inc.	567,665	2,191
*,1	Omega			*	Jasper		
	Therapeutics Inc.	1,055,010	3,176		Therapeutics Inc.	2,773,673	2,188
*	Cue Biopharma Inc.	1,190,778	3,144	*	Aclaris		
*	ChromaDex Corp.	2,196,484	3,141		Therapeutics Inc.	1,999,428	2,099
*,1	Citius			*	Adverum		
	Pharmaceuticals Inc.	4,132,683	3,126		Biotechnologies Inc.		2,099
*	BioAtla Inc.	1,267,868	3,119	*,1	Cutera Inc.	594,164	2,094
*	Seer Inc. Class A	1,594,055	3,092	*	Century	005	
1	Carisma				Therapeutics Inc.	625,729	2,077
	Therapeutics Inc.	1,054,783	3,091	*,1	PepGen Inc.	304,943	2,074
*	Mural Oncology plc	520,278	3,080	*	Ikena Oncology Inc.	1,031,034	2,031
*	Prelude			*	Trevi		2,014
	Therapeutics Inc.				Therapeutics Inc.	1,502,831	

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
⁺ ,1	Galectin			*	DiaMedica		
	Therapeutics Inc.	1,189,409	1,974		Therapeutics Inc.	506,271	1,438
⁺ ,1	ProKidney Corp.			*,1	Rockwell		
	Class A	1,064,701	1,895		Medical Inc.	759,624	1,436
⁺ ,1	Bioxcel			*	Avrobio Inc.	1,051,279	1,430
	Therapeutics Inc.	640,245	1,889	*,1	Outlook		
*	Spruce				Therapeutics Inc.	3,610,237	1,422
	Biosciences Inc.	638,558	1,871	*,1	Atara		
⁺ ,1	Cardiff Oncology Inc.	1,254,717	1,857		Biotherapeutics Inc.	2,710,236	1,390
⁺ ,1	Ocuphire Pharma Inc.	611,415	1,840	*,1	Kronos Bio Inc.	1,070,954	1,339
*	Adicet Bio Inc.	968,997	1,831	*,1	Achieve Life		4 000
*	Vigil				Sciences Inc.	320,421	1,320
	Neuroscience Inc.	531,740	1,797	*,1	CareMax Inc.	2,648,343	1,319
*	Kezar Life	4 077555	4 770	*	Sensus	FFF F00	4 0 4 4
	Sciences Inc.	1,877,555	1,779		Healthcare Inc.	555,562	1,311
*	Eagle	000 700	4 704	*,1	Matinas BioPharma	0.000 500	4 000
	Pharmaceuticals Inc.	336,766	1,761	*	Holdings Inc.	6,020,598	1,302
	Theseus	401 070	1 740		iCAD Inc.	726,680	1,286
*	Pharmaceuticals Inc.	431,873	1,749	*,1	Vaxxinity Inc. Class A	1,489,274	1,266
	Kinnate Biopharma Inc.	730,663	1,732	*,1	Delcath Systems Inc.	302,558	1,259
,1	Immunic Inc.			*,1	P3 Health	000 400	4 005
, ' (,1	Rani Therapeutics	1,150,800	1,726	*	Partners Inc.	868,499	1,225
, '	Holdings Inc.				Elicio	144 620	1 200
	Class A	518,702	1,722	*,1	Therapeutics Inc. Allovir Inc.	144,639	1,206
,1	Cidara	010,702	1,722	*		1,771,721	1,204
	Therapeutics Inc.	2,166,543	1,720		Solid Biosciences Inc.	100 007	1 167
*	Pro-Dex Inc.	98,013	1,703	1	MEI Pharma Inc.	190,097	1,167
,1	Co-Diagnostics Inc.	1,279,125	1,701	*,1		201,106	1,166
,1	Cargo	1,270,120	1,701	, '	Oncternal Therapeutics Inc.	2 150 707	1 150
	Therapeutics Inc.	73,218	1,695	*,1	Hookipa Pharma Inc.	2,159,797	1,158
1	DermTech Inc.	967,000	1,692	*	Assembly	1,396,133	1,131
×	Enzo Biochem Inc.	1,187,908	1,651		Biosciences Inc.	1,377,385	1,130
,1	Palatin	1,101,000	1,001	*	Alpha Teknova Inc.	303,047	1,130
	Technologies Inc.	409,703	1,631	*,1	GeneDx Holdings	303,047	1,150
*	Pyxis Oncology Inc.	903,923	1,627	,.	Corp. Class A	410,782	1,130
*	Clearside	000,020	1,027	*,1	enVVeno Medical	410,702	1,100
	Biomedical Inc.	1,383,654	1,619		Corp.	216,998	1,115
1	Greenwich	, ,	,	*	Lantern Pharma Inc.	256,113	1,096
	Lifesciences Inc.	153,459	1,614	*	NGM	200,110	1,000
,1	Eyenovia Inc.	775,664	1,613		Biopharmaceuticals		
*	Cyteir				Inc.	1,269,403	1,090
	Therapeutics Inc.	517,703	1,574	*	Design		
,1	Acrivon				Therapeutics Inc.	411,201	1,090
	Therapeutics Inc.	309,500	1,523	*	Dianthus		
*	Rallybio Corp.	636,414	1,521		Therapeutics Inc.	103,857	1,080
,1	Curis Inc.	119,269	1,521	*,1	IRIDEX Corp.	373,047	1,048
*	Passage Bio Inc.	1,496,581	1,512	*,1	Vicarious		
*	Nuvectis Pharma Inc.	181,040	1,510		Surgical Inc. Class A	2,852,321	1,046
,1	Corvus			*,1	Cellectar		
	Pharmaceuticals Inc.	857,417	1,509		Biosciences Inc.	365,704	1,013
,1	Beyond Air Inc.	763,374	1,496	*	Aadi Bioscience Inc.	499,926	1,010
*	Forian Inc.	507,760	1,485	*	Cara		
*	Spero				Therapeutics Inc.	1,354,313	1,006
	Therapeutics Inc.	1,007,326	1,481	*,1	Milestone		
, 1	CytoSorbents Corp.	1,302,216	1,445		Scientific Inc.	1,447,898	999
*	Xtant Medical			*,1	Acurx Pharmaceuticals Inc.		
						260,850	999

		Shares	Market Value∙ (\$000)			Shares	Market Value• (\$000)
*	NanoString			*	NextCure Inc.	530,127	604
	Technologies Inc.	1,330,066	995	*	Lumos Pharma Inc.	187,322	586
*	LENSAR Inc.	282,930	993	*	AIM		
*,1	Leap				ImmunoTech Inc.	1,311,599	577
	Therapeutics Inc.	235,604	977	*	Celularity Inc. Class A	2,316,900	573
*,1	Movano Inc.	1,233,783	964	*	Microbot		
*,1	Dyadic				Medical Inc.	348,549	572
	International Inc.	596,383	960	*,1	Clene Inc.	1,911,118	567
*,1	Cognition			*,1	TherapeuticsMD Inc.	249,657	562
	Therapeutics Inc.	517,783	958	*,1	Biomerica Inc.	440,355	550
*	Reneo	500.440		*,1	Singular Genomics		
,	Pharmaceuticals Inc.	596,113	954		Systems Inc.	1,180,133	543
•	Precision	0.400.000	000	*	Synlogic Inc.	139,449	537
*	BioSciences Inc. PAVmed Inc.	2,436,960	890	*	Protara		
*,1	Accelerate	213,896	881		Therapeutics Inc.	284,301	532
, '	Diagnostics Inc.	223,456	876	*	ARCA biopharma Inc.	312,166	531
*,1	Bolt	223,450	870	*	Moleculin		
,.	Biotherapeutics Inc.	747,881	838	*	Biotech Inc.	616,108	529
*	Rezolute Inc.	841,974	836		ElectroCore Inc.	91,007	527
*,1	Eledon	041,074	000	*,1	Incannex	110.051	501
	Pharmaceuticals Inc.	459,998	828	*	Healthcare Inc.	112,351	521
*,1	Homology	100,000	020		Turnstone Biologics Corp.	200,545	510
	Medicines Inc.	1,354,738	824	*	Eliem	200,545	510
*,1	Bright Health	.,			Therapeutics Inc.	189,734	509
	Group Inc.	104,371	796	*,1	Elutia Inc.	233,593	505
*	Minerva			*,1	Biora	233,093	505
	Neurosciences Inc.	128,899	793	,.	Therapeutics Inc.	372,034	502
*,1	SELLAS Life				Psychemedics Corp.	165,415	490
	Sciences Group Inc.	742,353	787	*	Cumberland	105,415	400
*,1	BioSig				Pharmaceuticals Inc.	280,820	489
	Technologies Inc.	1,638,452	778	*	Neurogene Inc.	24,677	478
*,1	Fortress Biotech Inc.	258,336	778	*,1	Aligos	2 1,077	
*,1	Marker				Therapeutics Inc.	712,990	473
	Therapeutics Inc.	135,408	745	*	Retractable		
*	HeartBeam Inc.	315,883	742		Technologies Inc.	421,212	468
*	Biodesix Inc.	400,114	736	*,1	Viracta		
*,1 *	Dare Bioscience Inc.	2,375,133	734		Therapeutics Inc.	813,922	464
	Societal CDMO Inc.	2,064,292	724	*,1	Aspira Women's		
*	ImmuCell Corp.	139,968	707		Health Inc.	113,506	463
*,1	Quince	000 040	007	*	Elevation		
*,1	Therapeutics Inc.	663,318	697		Oncology Inc.	854,850	459
°, I	UNITY	057567	600	*,1	NRX	070.004	450
*	Biotechnology Inc.	357,567	690		Pharmaceuticals Inc.	978,921	450
	Corbus Pharmaceuticals			-	Sonida Senior	40.007	140
	Holdings Inc.	112,022	677	*	Living Inc.	46,397	448
*,1	Checkpoint	112,022	0//		Intensity Therapeutics Inc.	52,091	446
	Therapeutics Inc.	293,542	672	*	Rapid Micro	52,001	440
*	Instil Bio Inc.	85,903	655		Biosystems Inc.		
*	Exagen Inc.	326,266	649		Class A	594,568	440
*,1	Context	,200	0.0	*,1	Alaunos	,000	
	Therapeutics Inc.	573,400	648		Therapeutics Inc.	6,058,963	428
*,1	Science 37			*,1	Bright Green Corp.	1,286,273	425
	Holdings Inc.	118,985	635	*,1	Cano Health Inc.	71,958	422
*,1	Rain Oncology Inc.	518,612	622	*	Cryo-Cell	,	
*,1	Ekso Bionics				International Inc.	72,821	419
	Holdings Inc.	243,385	608				

 Equilium Inc. 570,835 413 *1 Molecular Templates Inc. 71,577 266 Candel Candel Therapeutics Inc. 279,875 411 Cue Health Inc. 2,505,948 407 Genprex Inc. 1,127694 Cue Health Inc. 2,505,948 407 Genprex Inc. 1,127694 Cue Health Inc. 2,505,948 407 MyMD Therapeutics Inc. 739,553 MyMD Indaptus Therapeutics Inc. 229,197 406 Upexi Inc. 214,062 CareCloud Inc. 266,292 405 Lucid Durect Corp. 684,963 404 Regulus Therapeutics Inc. 115,726 Lipocine Inc. 141,076 Biosciences Inc. 487,429 Modular Medical Inc. 116,726 Lipocine Inc. 141,076 Biosciences Inc. 87,394 Alimera Sciences Inc. 87,394 Alimera Sciences Inc. 87,394 Alimera Sciences Inc. 102,105 Kineta Inc. 99,876 Setti Nephros Inc. 102,105 Cover Lorp. 153,986 Covyet Corp. 102,105 Covyet Inc. 211,053 Covyet Inc. 211,053 Covyet Inc. 211,053 Covyet Inc. 224,093 Covyet Inc. 244,096 Covyet Inc. 118,336 Covyet Inc. 118,336 Covyet Inc. 211,053 Covyet Inc. 244,096 Freapeutics Inc. 132,787 GeoVax Labs Inc. 428,190 Hearmaceuticals Inc. 50,136 Govyet Inc. 132,788 Freapeutics Inc. 148,326 Biotechnology Inc. 132,781 GeoVax Labs Inc. 148,229 Freapeutics Inc			Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
Biosciences Inc. Holdings Inc. Zas 372 Zefe * Equilium Inc. 570,835 413 *1 Molecular Templets Inc. 71,577 266 * I Candel *** Biotherapeutics Inc. 258,649 264 *** BrainStorm Cell Therapeutics Inc. 951,371 266 * Cue Health Inc. 2,505,948 407 * Genprex Inc. 1,127694 255 * Nilo Therapeutics Inc. 291,97 406 ** Upexi Inc. 214,062 244 * I Indaptus ** Predictive ** 0ncology Inc. 69,297 225 * I Lucid Oncology Inc. 69,297 225 ** Predictive ** ** * Upexi Inc. 246,293 401 ** Senti ** </td <td>*,1</td> <td>Sagimet</td> <td></td> <td></td> <td>*,1</td> <td>Organovo</td> <td></td> <td><u>.</u></td>	*,1	Sagimet			*,1	Organovo		<u>.</u>
 Equilium Inc. 570,835 413 *1 Molecular Tamplates Inc. 71,577 266 Biotherapeutics Inc. 279,875 411 *1 BrainStorm Cell Therapeutics Inc. 279,875 411 *1 BrainStorm Cell Therapeutics Inc. 739,563 407 *1 Genprex Inc. 1,127694 256,499 266,292 406 *1 Indaptus Therapeutics Inc. 226,5948 407 *1 Indaptus Therapeutics Inc. 229,197 406 *1 Lucid CareCloud Inc. 266,292 405 *1 Parmaceuticals Inc. 296,266 404 *1 Modular Medical Inc. 115,726 211 Biosciences Inc. 487,429 401 *1 Senti Biosciences Inc. 447,429 401 *1 Cares A 320,153 *1 Lipocine Inc. 141,076 389 Class A 320,153 *1 Hepion *1 Alimera Sciences Inc. 87,394 *1 Alimera Sciences Inc. 87,394 *1 Hepion *1 Hepion *1 Cares A 125,885 *1 Hepion *1 Cares A 125,885 *1 Therapeutics Inc. 16,627 *1 Robio Inc. 166,108 *1 Hepion *1 Cares A 125,885 *1 Therapeutics Inc. 176,901 *1 Cares A 125,885 *1 Therapeutics Inc. 176,903 *1 Cares A 125,885 *1 Therapeutics Inc. 176,903 *1 Cares A 125,885 *1 Therapeutics Inc. 44,096 *1 Cares A 125,885 *1 Therapeutics Inc. 18,336 *1 Hepion								
Liquinum nuc. D-0.030 413 10 Tomplates inc. 71,577 265 Biotherapeutics Inc. 598,672 412 1 Vivani Medical Inc. 258,649 264 Cadel 71 Therapeutics Inc. 279,875 411 Therapeutics Inc. 961,371 266 Cue Health Inc. 2505,948 407 1 Therapeutics Inc. 739,563 407 1 MyMO 1.127,694 256 Vilio Therapeutics Inc. 229,197 406 1 Upexi Inc. 214,062 246 1 Lucid 266,292 406 1 Praimaceuticals Inc. 69,297 226 1 Dure Corp. 684,963 404 1 Regulus 1 115,726 211 1 Direct Corp. 684,963 404 1 Regulus 1 115,726 211 1 Direct Corp. 153,996 382 PharmaCyte Biotech Inc. 96,416 206 1 Monta 53		Class A	76,983	417			238,972	265
Botherapeutics Inc. 598,672 412 *.1 Vivani Medical Inc. 258,649 264 *.1 Candel Therapeutics Inc. 279,875 411 Therapeutics Inc. 951,371 260 *.1 Cardel Therapeutics Inc. 2505,948 407 * Genprex Inc. 1,127694 255 *.1 Indaptus Therapeutics Inc. 229,197 406 * MyMD Pharmaceuticals Inc. 986,327 256 *.1 Indaptus Therapeutics Inc. 226,266 404 * Predictive Oncology Inc. 69,297 226 *.1 Durect Corp. 684,963 404 * Regulus * Therapeutics Inc. 164,709 211 Biosciences Inc. 487,429 401 *'.1 Senti Biosciences Inc. 64,16 206 *.1 Lipocine Inc. 164,709 201 Biotech Inc. 96,416 206 *.1 Nincer Yama Inc. 52,979 367 * HCW Biologics	*	Equillium Inc.	570,835	413	*,1	Molecular		
1.1 Candel 1.1 Final Storm Call 1.1 BrainStorm Call 1.20 Therapeutics Inc. 279,875 411 Therapeutics Inc. 391,371 260 Cue Health Inc. 2505,948 407 Therapeutics Inc. 739,863 407 Therapeutics Inc. 296,327 255 Therapeutics Inc. 229,197 406 Upexi Inc. 214,062 246 Therapeutics Inc. 286,266 404 Therapeutics Inc. 69,297 226 Diagnostics Inc. 286,266 404 Therapeutics Inc. 69,297 226 Therapeutics Inc. 487,429 401 Therapeutics Inc. 164,709 211 Biosciences Inc. 487,429 401 Therapeutics Inc. 164,709 211 Therapeutics Inc. 141,076 389 Class A 320,153 211 Therapeutics Inc. 141,076 385 Therapeutics Inc. 167,6308 126 Therapeutics Inc. 19,376 355 Therapeutics Inc. 167,6308 <t< td=""><td>*,1</td><td>SAB</td><td></td><td></td><td></td><td>Templates Inc.</td><td>71,577</td><td>265</td></t<>	*,1	SAB				Templates Inc.	71,577	265
Therapeutics Inc. 279,875 411 Therapeutics Inc. 91,371 260 * Cue Health Inc. 2,505,948 407 * Genprex Inc. 1,127,694 255 Xilio Therapeutics Inc. 739,563 407 * MyMD Pharmaceuticals Inc. 96,327 255 Therapeutics Inc. 226,292 405 * Predictive 214,062 246 *1 Lucid 266,292 405 * Predictive 0 60,297 222 Diagnostics Inc. 286,266 404 * Modular Medical Inc. 115,726 211 *1 Durect Corp. 684,963 404 * Biosciences Inc. 141,076 389 Class A 320,153 211 *1 Exposition Inc. 141,076 389 Class A 320,153 211 *1 Immix 52,979 367 * WharmaCyte Biotech Inc. 16,7691 205 *1 Mapion 102,105 352 *		Biotherapeutics Inc.	598,672	412		Vivani Medical Inc.	258,649	264
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		Shares	Market Value∙ (\$000)			Shares	Market Value• (\$000)
*,1	Aravive Inc.	779,481	96		Lockheed Martin		
*,1	Inhibikase				Corp.	7,781,461	3,526,869
	Therapeutics Inc.	75,629	96		Deere & Co.	8,138,787	3,254,457
*	Journey Medical				American Express		
	Corp.	15,723	91		Co.	17,154,973	3,213,813
*	American Shared				Eaton Corp. plc	12,546,651	3,021,484
	Hospital Services	36,859	88		Automatic Data		
*,1	AcelRx				Processing Inc.	12,902,739	3,005,951
	Pharmaceuticals Inc	2. 112,873	83	*	Fiserv Inc.	18,841,756	2,502,939
*,1	Finch Therapeutics				Illinois Tool		
	Group Inc.	22,530	81		Works Inc.	8,953,776	2,345,352
*,1	Theriva Biologics Inc.		74		Sherwin-Williams Co	, ,	2,255,117
*,1	Atreca Inc. Class A	485,847	64		CSX Corp.	62,017,878	2,150,160
*	Champions	11 570	CO	*	PayPal Holdings Inc.	33,872,041	2,080,082
¥ 1	Oncology Inc.	11,573	63		General Dynamics		
*,1	Novo Integrated Sciences Inc.	77105	63		Corp.	7,708,880	2,001,765
*,1		77,105	03		Northrop Grumman	4 000 000	1 005 050
,.	Star Equity Holdings Inc.	53,681	55		Corp.	4,262,306	1,995,356
*	iSpecimen Inc.	98,114	49		3M Co.	17,337,401	1,895,325
*,1	NightHawk	50,114	40		Parker-Hannifin Corp.		1,860,213
	Biosciences Inc.	107,297	47		FedEx Corp.	7,097,384	1,795,425
*	Venus Concept Inc.	37,158	43		Emerson Electric Co.	17,906,942	1,742,883
*,2	Impact	07,100	10		Trane Technologies	7142 040	1 740 100
	BioMedical Inc.				plc Narfally Southern	7,143,049	1,742,190
	(Registered)	5,171,052	33		Norfolk Southern	7,102,500	1,678,889
*,1	Vaccinex Inc.	35,633	24		Corp. TransDigm Group Inc		1,670,155
*,1	Aprea				Cintas Corp.	2,713,465	
	Therapeutics Inc.	4,990	23		PACCAR Inc.		1,635,297
*	KALA BIO Inc.	907	6		Carrier Global Corp.	16,424,461 26,379,345	1,603,849 1,515,493
*	Coeptis Therapeutics				Capital One Financial		1,010,495
	Holdings	7,950	6		Corp.	11,354,942	1,488,860
*	Acorda			*	Block Inc. Class A	17,397,837	1,345,723
	Therapeutics Inc.	370	5		L3Harris	17,007,007	1,040,720
*,1,2	Synergy				Technologies Inc.	5,964,325	1,256,206
	Pharmaceuticals LL	C 5,148,145	_		Old Dominion Freight		.,,
*,2	OmniAb Inc. 12.5	100 007			Line Inc.	3,085,860	1,250,792
*,2	Earnout	186,267	_		Ferguson plc	6,395,035	1,234,689
,2	OmniAb Inc. 15 Earnout	186,267			Johnson Controls		
	Lamout	100,207			International plc	21,332,887	1,229,628
			175,231,349		United Rentals Inc.	2,130,772	1,221,827
Indus	strials (13.1%)				Paychex Inc.	10,204,499	1,215,458
	Visa Inc. Class A	49,161,229	12,799,126		AMETEK Inc.	7,233,454	1,192,724
	Mastercard Inc.				WW Grainger Inc.	1,400,571	1,160,639
	Class A	26,261,902	11,200,964		Otis Worldwide Corp.	. 12,819,033	1,146,919
	Accenture plc				Rockwell		
,	Class A	19,693,641	6,910,696		Automation Inc.	3,602,718	1,118,572
	Boeing Co.	18,995,096	4,951,262		PPG Industries Inc.	7,410,874	1,108,296
	Caterpillar Inc.	15,980,540	4,724,966		Verisk Analytics Inc.		
	Union Pacific Corp.	19,125,414	4,697,584		Class A	4,544,939	1,085,604
	General Electric Co.	34,192,214	4,363,952		Cummins Inc.	4,445,252	1,064,949
	Honeywell		4.0.40.000		Quanta Services Inc.	4,571,620	986,556
	International Inc.	20,699,356	4,340,862		Ingersoll Rand Inc.	12,738,470	985,193
	RTX Corp.	45,157,308	3,799,536		Martin Marietta		
	United Parcel	22 672 144	2 564 744		Materials Inc.	1,938,346	967,060
	Service Inc. Class B	22,072,144	3,564,741		Equifax Inc.	3,877,318	958,822
					Vulcan Materials Co.	4,162,545	944,939

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	DuPont de			-	Nordson Corp.	1,610,023	425,304
	Nemours Inc.	12,162,157	935,635		TransUnion	6,066,423	416,824
*	Keysight			*	Trimble Inc.	7,797,185	414,810
	Technologies Inc.	5,489,430	873,313		Owens Corning	2,780,589	412,167
	Fidelity National				AECOM	4,270,648	394,736
	Information				Lincoln Electric	, ,,,,,,	. ,
	Services Inc.	14,459,338	868,572		Holdings Inc.	1,803,568	392,204
	Xylem Inc.	7,589,530	867,939		Pentair plc	5,168,650	375,813
~ *	Fair Isaac Corp.	735,800	856,479		Jack Henry &		
	Mettler-Toledo International Inc.	690 600	925 551		Associates Inc.	2,289,612	374,145
	Fortive Corp.	680,609 11,037,637	825,551 812,701	*	TopBuild Corp.	993,761	371,925
	Global Payments Inc.	6,382,137	810,531	*	Saia Inc.	831,141	364,223
	Westinghouse Air	0,302,137	010,001		Crown Holdings Inc.	3,785,508	348,607
	Brake Technologies				Allegion plc	2,748,722	348,236
	Corp.	5,623,695	713,647		Westrock Co.	8,060,395	334,668
	Howmet				Advanced Drainage	0.007010	007014
	Aerospace Inc.	12,952,631	700,996		Systems Inc. Huntington Ingalls	2,327,318	327,314
	Dover Corp.	4,380,164	673,713		Industries Inc.	1,252,546	325,211
*	Teledyne			*	Affirm Holdings Inc.	1,202,010	020,211
	Technologies Inc.	1,485,955	663,167		Class A	6,475,512	318,207
*	Builders	0.075.70.	0.47.000		EMCOR Group Inc.	1,475,815	317,935
*	FirstSource Inc.	3,875,784	647,023		A O Smith Corp.	3,847,110	317,156
	FleetCor Technologies Inc.	2,157,390	609,700		Toro Co.	3,270,698	313,954
*	Waters Corp.	1,851,713	609,639		Regal Rexnord Corp.	2,085,500	308,696
	Veralto Corp.	7,355,556	605,068		nVent Electric plc	5,214,751	308,140
	Expeditors	1,000,000	000,000		ITT Inc.	2,573,973	307,126
	International of			*	XPO Inc.	3,456,853	302,786
	Washington Inc.	4,550,400	578,811		Fortune Brands		
*	Axon Enterprise Inc.	2,228,508	575,690		Innovations Inc.	3,975,372	302,685
	Ball Corp.	9,897,934	569,329		CH Robinson	0 400 705	000 750
	Hubbell Inc. Class B	1,680,691	552,830		Worldwide Inc.	3,469,735	299,750
	Booz Allen Hamilton				Trex Co. Inc. WESCO	3,410,508	282,356
	Holding Corp.	4 400 004	504.005		International Inc.	1,608,522	279,690
	Class A	4,103,391	524,865		Tetra Tech Inc.	1,667,432	278,344
	JB Hunt Transport Services Inc.	2,592,145	517,755		Knight-Swift	1,007,102	270,011
	IDEX Corp.	2,368,862	514,304		Transportation		
	Jacobs Solutions Inc.		512,140		Holdings Inc.		
	Textron Inc.	6,147,423	494,376		Class A	4,811,777	277,399
	Synchrony Financial	12,942,016	494,256		Robert Half Inc.	3,133,597	275,506
	Carlisle Cos. Inc.	1,531,899	478,611		Curtiss-Wright Corp.	1,202,484	267,901
	Snap-on Inc.	1,654,023	477,748		Simpson		
	Stanley Black &				Manufacturing Co. Inc.	1,339,098	265,115
	Decker Inc.	4,817,212	472,568	*	WEX Inc.	1,341,277	260,945
	Masco Corp.	7,020,867	470,258	*	BILL Holdings Inc.	3,168,013	258,478
	Graco Inc.	5,303,248	460,110		Woodward Inc.	1,881,834	256,174
	Packaging Corp. of		153000	*	WillScot Mobile Mini	.,	
	America	2,811,341	457,996		Holdings Corp.	5,734,476	255,184
	Watsco Inc.	1,062,287	455,158		AptarGroup Inc.	2,059,579	254,605
	RPM International Inc.	4,050,066	452 100	*	Generac		
	HEICO Corp. Class A		452,109 449,559		Holdings Inc.	1,936,201	250,235
	Lennox	3,100,132	449,009	*	Middleby Corp.	1,689,281	248,611
	International Inc.	1,000,356	447,679		Donaldson Co. Inc.	3,799,667	248,308
*	Zebra Technologies	,,	,		AGCO Corp.	2,002,968	243,180
	Corp. Class A	1,613,130	440,917				

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	Graphic Packaging			*	ExIService		
	Holding Co.	9,619,485	237,120		Holdings Inc.	4,952,750	152,792
*	Axalta Coating				AAON Inc.	2,065,185	152,555
	Systems Ltd.	6,950,605	236,112	*	MasTec Inc.	1,989,900	150,675
	Berry Global				Ryder System Inc.	1,307,353	150,424
	Group Inc.	3,454,285	232,784		Federal Signal Corp.	1,933,564	148,382
	Comfort Systems			*	Kirby Corp.	1,867,841	146,588
	USA Inc.	1,121,465	230,652		Louisiana-Pacific		
	API Group Corp.	6,622,280	229,131		Corp.	2,029,306	143,736
	GXO Logistics Inc.	3,725,476	227,850	*	Summit		
*	Cognex Corp.	5,431,807	226,724		Materials Inc. Class A	0 700 000	140.450
	FTI Consulting Inc.	1,123,121	223,670		MSC Industrial Direct	3,730,080	143,459
	Oshkosh Corp.	2,052,249	222,484		Co. Inc. Class A	1,410,861	142,864
	Eagle Materials Inc. BWX	1,093,690	221,844		Badger Meter Inc.	919,945	142,004
	Technologies Inc.	2,874,120	220,531	*	Euronet	515,545	142,012
	Landstar System Inc.	1,123,765	217,617		Worldwide Inc.	1,391,863	141,260
*	Paylocity Holding	1,120,700	211,011		Exponent Inc.	1,600,869	140,941
	Corp.	1,317,553	217,199		Air Lease Corp.		
	MKS				Class A	3,299,684	138,389
	Instruments Inc.	2,103,748	216,413		HB Fuller Co.	1,696,560	138,117
*	Fluor Corp.	5,382,618	210,837	*	SPX Technologies Inc.	1,361,272	137,502
	Brunswick Corp.	2,173,615	210,297		Installed Building		
	Applied Industrial				Products Inc.	751,953	137,472
	Technologies Inc.	1,212,155	209,327		Armstrong World		
	Littelfuse Inc.	781,738	209,162		Industries Inc.	1,373,045	134,998
	Acuity Brands Inc.	978,607	200,448	*	Western Union Co.	11,305,217	134,758
	MSA Safety Inc.	1,172,240	197,909		Shift4 Payments Inc. Class A	1,803,814	134,096
,	Genpact Ltd.	5,677,082	197,052		GATX Corp.	1,109,705	134,090
	Atkore Inc.	1,179,645	188,743	*	ASGN Inc.	1,384,045	133,403
	Core & Main Inc. Class A	4 556 422	104 125		Moog Inc. Class A	903,945	130,873
*	ATI Inc.	4,556,433 4,036,679	184,125 183,548		EnerSys	1,287,262	129,962
*	Chart Industries Inc.	4,030,079	182,719		Insperity Inc.	1,095,357	128,398
	Watts Water	1,340,271	102,713		Zurn Elkay Water	1,000,007	120,000
	Technologies Inc.				Solutions Corp.	4,346,362	127,827
	Class A	861,374	179,459		MDU Resources		
	Sensata Technologies				Group Inc.	6,378,160	126,288
	Holding plc	4,773,439	179,338		Herc Holdings Inc.	843,483	125,586
	Crane Co.	1,516,964	179,214		ManpowerGroup Inc.	1,549,825	123,165
*	Mohawk				FTAI Aviation Ltd.	2,651,151	123,013
	Industries Inc.	1,697,249	175,665		Franklin Electric Co.		
,	Sonoco Products Co.	3,071,043	171,579	,	Inc.	1,245,465	120,374
*	AZEK Co. Inc.	4 400 705	170,000	*	Knife River Corp.	1,775,012	117,470
	Class A	4,460,705	170,622		HEICO Corp.	654,552	117,080
	Flowserve Corp.	4,105,918	169,246		Brink's Co.	1,324,343	116,476
	Vontier Corp. Sealed Air Corp.	4,860,826	167,942		Matson Inc.	1,060,722	116,255
		4,526,984	165,325	*	Ierex Corp.	2,014,965	115,780
	Allison Transmission Holdings Inc.	2,798,549	162,736		Spirit AeroSystems Holdings Inc.		
	Maximus Inc.	1,901,331	159,446		Class A	3,597,853	114,340
	Esab Corp.	1,795,188	155,499		Silgan Holdings Inc.	2,474,104	111,953
	Valmont	.,		*	Verra Mobility Corp.	_, ,	,000
	Industries Inc.	665,601	155,424		Class A	4,847,621	111,641
*	Beacon Roofing				Otter Tail Corp.	1,306,480	111,012
	Supply Inc.	1,783,310	155,184	*	Itron Inc.	1,420,982	107,298
					Hillenbrand Inc.	2,239,011	107,137

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	AeroVironment Inc.	838,771	105,719	*	Gibraltar		
*	ACI Worldwide Inc.	3,395,998	103,918		Industries Inc.	988,085	78,039
*	TriNet Group Inc.	872,127	103,722		ADT Inc.	11,042,433	75,309
*	Marqeta Inc. Class A	14,849,394	103,649		Mueller Water		
*,1	Aurora				Products Inc.		
	Innovation Inc.				Class A	4,910,327	70,709
	Class A	23,673,451	103,453		Granite	1 070 000	70 100
	Kadant Inc.	367,507	103,016		Construction Inc.	1,378,302	70,100
	Enpro Inc.	656,503	102,900	*	Trinity Industries Inc.	2,601,392	69,171
*	GMS Inc.	1,243,622	102,512	*,1	OSI Systems Inc.	527,329	68,052
	CSW Industrials Inc.	491,371	101,915	, I	Joby Aviation Inc.	10,165,192	67,599
*	Dycom	070 404	101 170		Alamo Group Inc.	320,750	67,418
	Industries Inc.	879,131	101,179	*	Patrick Industries Inc.		66,820
	Encore Wire Corp.	471,228	100,654		Gates Industrial Corp. plc	4,973,804	66,748
	Korn Ferry	1,688,993	100,242	*	PGT Innovations Inc.	4,973,804 1,639,775	66,739
	John Bean	1 001 457		*	AAR Corp.	1,044,223	65,160
	Technologies Corp.	1,001,457	99,595		Kennametal Inc.	2,510,741	64,752
	Belden Inc. Albany International	1,280,052	98,884		International	2,510,741	04,752
	Corp. Class A	981,654	96,418		Seaways Inc.	1,402,851	63,802
	ESCO	501,054	50,410	*	Mercury	1,102,001	00,002
	Technologies Inc.	813,320	95,183		Systems Inc.	1,735,610	63,471
*,1	Bloom Energy Corp.			*	Hayward		
	Class A	6,400,837	94,732		Holdings Inc.	4,505,474	61,274
*	Alight Inc. Class A	11,026,060	94,052	*	AvidXchange		
*	CBIZ Inc.	1,493,595	93,484		Holdings Inc.	4,909,739	60,832
	ABM Industries Inc.	2,069,008	92,754	*	Masterbrand Inc.	4,058,821	60,273
*	Modine				Standex International		
	Manufacturing Co.	1,551,325	92,614		Corp.	379,590	60,119
	McGrath RentCorp	766,858	91,732	*	Mirion		
*	AMN Healthcare				Technologies Inc. Class A	E 700 7EE	E0 255
	Services Inc.	1,184,561	88,700	*	Masonite	5,790,755	59,355
	UniFirst Corp.	475,839	87,036		International Corp.	696,945	59,003
	Werner	0.047074	00 705	*	Hillman Solutions	000,010	00,000
	Enterprises Inc.	2,047,074	86,735		Corp.	6,384,493	58,801
	Vestis Corp.	4,092,494	86,515	*	Huron Consulting		
	ArcBest Corp.	719,604	86,504		Group Inc.	571,594	58,760
*	Crane NXT Co.	1,511,205	85,942	*	Construction		
*	RXO Inc. Hub Group Inc.	3,675,662	85,496		Partners Inc.		
	Class A	929,525	85,461		Class A	1,299,192	56,541
	EVERTEC Inc.	2,065,778	84,573	*	NCR Atleos Corp.	2,300,517	55,880
*	Resideo	2,000,770	04,070		Enerpac Tool Group	1 704 101	FF 470
	Technologies Inc.	4,411,658	83,027		Corp. Class A Primoris Services	1,784,191	55,470
	Griffon Corp.	1,353,941	82,523		Corp.	1,662,971	55,227
*	Flywire Corp.	3,528,738	81,690		Greif Inc. Class A	837,914	54,959
*	Kratos Defense &				Tennant Co.	568,086	52,656
	Security				Forward Air Corp.	831,073	52,250
	Solutions Inc.	4,024,600	81,659		H&E Equipment	001,070	52,250
*	Remitly Global Inc.	4,150,145	80,596		Services Inc.	985,625	51,568
*	Sterling	045	og :=:	*	Leonardo DRS Inc.	2,572,522	51,553
	Infrastructure Inc.	915,171	80,471	*,1	Enovix Corp.	4,092,703	51,241
-	Brady Corp. Class A	1,366,372	80,192		Bread Financial		·
*	O-I Glass Inc.	4,837,829	79,244		Holdings Inc.	1,547,275	50,967
-	ICF International Inc.	590,565	79,189	*	NV5 Global Inc.	450,683	50,080
-	MYR Group Inc.	540,799	78,216	*	Legalzoom.com Inc.	4,423,719	49,988
					Barnes Group Inc.	1,507,243	49,181

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	CoreCivic Inc.	3,380,191	49,114	*	ZipRecruiter Inc.		
*	American Woodmark	-,,			Class A	1,957,712	27,212
	Corp.	520,003	48,282		VSE Corp.	407,011	26,297
*	Donnelley Financial				First Advantage Corp.	1,578,966	26,163
	Solutions Inc.	766,118	47,783		Powell Industries Inc.	282,335	24,958
*	JELD-WEN	0 500 000	47.000	*	Cross Country	4 007000	
*	Holding Inc.	2,523,083	47,636		Healthcare Inc.	1,087,862	24,629
	Janus International Group Inc.	3,613,805	47,160		Barrett Business Services Inc.	211,351	24,474
	Helios	0,010,000	47,100		Gorman-Rupp Co.	674,820	24,474 23,976
	Technologies Inc.	1,024,698	46,470	*	Blue Bird Corp.	859,376	23,370
*,1	Rocket Lab USA Inc.	8,353,301	46,194	*	International Money	000,070	20,100
	Lindsay Corp.	349,443	45,134		Express Inc.	1,047,443	23,138
	Greenbrier Cos. Inc.	982,764	43,419	*	Titan		
	AZZ Inc.	742,578	43,136		International Inc.	1,526,933	22,721
*	Triumph Group Inc.	2,536,121	42,049		Hyster-Yale Materials		
	Kforce Inc.	621,799	42,009	,	Handling Inc.	361,598	22,488
*	Payoneer Global Inc.	7,851,095	40,904		CryoPort Inc.	1,449,481	22,452
*,1	Symbotic Inc. Class A		40,254		Ducommun Inc.	421,727	21,955
[°]	Cimpress plc	494,191	39,560		Pitney Bowes Inc. CRA	4,751,486	20,907
	Wabash National Corp.	1,464,767	37,527		International Inc.	210,751	20,833
	Marten Transport Ltd.		37,183		Mvers Industries Inc.	1,064,615	20,813
	Apogee	1,772,000	07,100		Insteel Industries Inc.	535,957	20,522
	Enterprises Inc.	679,634	36,299		Heartland	,.	- , -
*	Air Transport Services				Express Inc.	1,428,621	20,372
	Group Inc.	2,058,061	36,242	*	Conduent Inc.	5,553,255	20,269
*,1	Archer Aviation Inc.				Douglas		
	Class A	5,798,126	35,600		Dynamics Inc.	676,869	20,089
	Napco Security Technologies Inc.	1 000 660	25.026		Argan Inc.	427,894	20,021
	TriMas Corp.	1,022,669 1,346,325	35,026 34,102		Kelly Services Inc. Class A	921,762	19,928
	Columbus McKinnon	1,340,325	34,102	*	Repay Holdings Corp.	521,702	19,920
	Corp.	867,216	33,839		Class A	2,322,791	19,837
*	Aspen Aerogels Inc.	2,091,646	33,006		Kaman Corp.	815,429	19,530
*	Thermon Group			*	IES Holdings Inc.	235,697	18,672
	Holdings Inc.	1,006,633	32,786	*	Titan Machinery Inc.	640,698	18,503
	Quanex Building				REV Group Inc.	1,017,861	18,495
	Products Corp.	1,048,907	32,065		Cass Information		
÷	Proto Labs Inc.	821,262	31,996		Systems Inc.	408,138	18,387
*	Vicor Corp.	705,525	31,706	*	Manitowoc Co. Inc.	1,083,726	18,087
*,1	SP Plus Corp. Nikola Corp.	601,630 34,458,847	30,834 30,145		Cadre Holdings Inc.	528,400	17,379
*	Energy Recovery Inc.		30,081	*,1	Ennis Inc.	789,811	17,305
	Schneider	1,000,001	30,001	, '	PureCycle Technologies Inc.	4,248,447	17,206
	National Inc.				Heidrick & Struggles	4,240,447	17,200
	Class B	1,180,186	30,036		International Inc.	580,522	17,143
*	BlueLinx			*	CECO Environmental		
	Holdings Inc.	258,113	29,247		Corp.	843,032	17,097
*,1	Virgin Galactic	11 000 550	00.057		Mesa	450	
	Holdings Inc.	11,696,553	28,657		Laboratories Inc.	159,129	16,672
	Transcat Inc.	258,027	28,210	*	DXP Enterprises Inc.	478,217	16,116
*	Deluxe Corp. Montrose	1,314,727	28,201		Perella Weinberg Partners Class A	1 270 425	15 625
	Environmental			*	Hudson	1,278,425	15,635
	Group Inc.	864,555	27,778		Technologies Inc.	1,149,613	15,508
	Astec Industries Inc.	742,110	27,606	*	Franklin Covey Co.	349,702	15,223
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		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	Resources			*	L B Foster Co.		
	Connection Inc.	1,068,324	15,138		Class A	413,355	9,090
*	Cantaloupe Inc.	2,042,575	15,135		Park Aerospace Corp.	613,019	9,011
*	13 Verticals Inc.				Overseas		
	Class A	707,059	14,968		Shipholding		
*	V2X Inc.	316,924	14,718		Group Inc. Class A	1,689,920	8,906
	Pactiv Evergreen Inc.	1,068,389	14,648	*	TaskUS Inc. Class A	680,818	8,898
*	TrueBlue Inc.	942,024	14,451	*	Moneylion Inc.	139,245	8,729
	National Presto			*	Willdan Group Inc.	399,927	8,598
	Industries Inc.	179,509	14,411	*	Advantage		
*	Great Lakes Dredge				Solutions Inc.	2,262,148	8,189
	& Dock Corp.	1,843,428	14,158	*	Iteris Inc.	1,518,768	7,898
*,1	Atmus Filtration			*	Ranpak Holdings		
	Technologies Inc.	601,023	14,118		Corp. Class A	1,271,849	7,402
*	Astronics Corp.	808,671	14,087	*	Luna Innovations Inc.	1,112,056	7,395
*,1	Evolv Technologies			*	Paymentus		
	Holdings Inc.	2,974,460	14,039		Holdings Inc.		
*	Green Dot Corp.				Class A	408,611	7,302
	Class A	1,377,254	13,635	*	Graham Corp.	377,551	7,162
	Miller Industries Inc.	314,326	13,293	*	SoundThinking Inc.	274,829	7,019
*	Sterling Check Corp.	939,412	13,077		Park-Ohio Holdings		
	United States Lime &				Corp.	258,617	6,972
	Minerals Inc.	54,808	12,625	*	Performant Financial		
*	Limbach			Ū	Corp.	2,204,695	6,890
	Holdings Inc.	273,917	12,455	*	Commercial Vehicle	000 040	0 707
	FTAI		40.400		Group Inc.	969,649	6,797
	Infrastructure Inc.	3,188,200	12,402		Information Services	4 400 050	0.000
*	FARO		40.000		Group Inc.	1,420,253	6,689
	Technologies Inc.	546,929	12,322		Kronos	000 000	0.000
Ū	TTEC Holdings Inc.	567,356	12,295	*,1	Worldwide Inc.	666,260	6,623
*	Vishay Precision	0.40.000	44 704	", I	Microvast	4 601 275	6,568
	Group Inc.	346,096	11,791		Holdings Inc. Universal Logistics	4,691,275	0,008
	Shyft Group Inc.	964,741	11,789		Holdings Inc.	230,693	6,464
	Allient Inc.	388,182	11,727	*	Blade Air	230,033	0,404
-	Concrete Pumping	1 400 777	44 544		Mobility Inc.	1,780,179	6,284
*	Holdings Inc.	1,403,777	11,511	*,1	Eos Energy	1,700,170	0,204
*	Daseke Inc.	1,397,196	11,317		Enterprises Inc.	5,747,383	6,265
	Custom Truck One Source Inc.	1 021 242	11 217	*	Quad/Graphics Inc.	1,103,900	5,983
*		1,831,243	11,317	*	Atlanticus Holdings	1,100,000	0,000
1	AerSale Corp.	886,801	11,258		Corp.	150,156	5,807
'	Eagle Bulk	202,315	11,208	*	Mistras Group Inc.	778,795	5,701
*	Shipping Inc. Tutor Perini Corp.			*	Manitex		-,
	LSI Industries Inc.	1,210,073	11,012		International Inc.	640,610	5,599
*		777,330	10,945		Twin Disc Inc.	344,051	5,560
*	Radiant Logistics Inc.	1,602,191	10,639		Karat Packaging Inc.	216,891	5,390
	BrightView	1 010 101	10.005	*	Gencor	210,001	0,000
*	Holdings Inc.	1,219,101	10,265		Industries Inc.	332,487	5,366
	Distribution Solutions	210 072	10.070	*	Acacia Research		-,
*,1	Group Inc. Bowman Consulting	319,072	10,070		Corp.	1,364,575	5,349
, .	Group Ltd. Class A	281,436	9,997	*	CS Disco Inc.	700,982	5,320
*,1	Target Hospitality	201,400	5,557	*,1	Rekor Systems Inc.	1,590,214	5,295
, .	Corp.	995,822	9,689	*,1	Desktop Metal Inc.	, ,	.,=== 0
	Covenant Logistics	000,022	5,005		Class A	7,049,819	5,294
	Group Inc. Class A	209,606	9,650	*	Smith-Midland Corp.	132,192	5,222
*	Forrester	200,000	0,000	*	DLH Holdings Corp.	326,878	5,148
	Research Inc.	359,746	9,645	*	Orion Group		
		,	.,		Holdings Inc.	939,452	4,641
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		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	RCM			*,1	\A/ron		
	Technologies Inc. ARC Document	159,492	4,632	*	Wrap Technologies Inc. LS Starrett Co.	672,384	2,084
	Solutions Inc.	1,338,175	4,389		Class A	166,241	2,012
*	DHI Group Inc.	1,659,630	4,298	*,1	Hyzon Motors Inc.	2,227,561	1,994
*	HireRight Holdings	, ,	,	*	GEE Group Inc.	3,870,957	1,936
	Corp.	312,786	4,207	*	Broadwind Inc.	689,278	1,909
	Hurco Cos. Inc.	194,394	4,185	*,1	Velo3D Inc.	4,791,156	1,905
*	Mayville Engineering			*,1	Workhorse		
	Co. Inc.	283,525	4,088		Group Inc.	5,121,723	1,844
*	PAM Transportation			*,1	Where Food Comes		
	Services Inc.	196,206	4,077		From Inc.	133,053	1,811
*	Core Molding			*,1	INNOVATE Corp.	1,428,742	1,757
* *	Technologies Inc.	210,686	3,904	*	Hudson Global Inc.	107,683	1,676
*,1	TuSimple			*,1	Odyssey Marine		
	Holdings Inc. Class A	4,277,881	3,755		Exploration Inc.	0.40,000	1 000
1	EVI Industries Inc.	155,167	3,682	* 1	Class B	349,692	1,626
*,1	BlackSky	155,107	3,002	*,1	Coda Octopus	222 600	1 226
	Technology Inc.			*	Group Inc. Usio Inc.	222,690 757,304	1,336 1,303
	Class A	2,623,844	3,673	*	Lightbridge Corp.	383,955	1,303
	BGSF Inc.	359,805	3,382	*,1	Knightscope Inc.	363,900	1,232
*,1	Byrna			,.	Class A	1,984,525	1,191
	Technologies Inc.	515,082	3,291	*	LightPath	1,001,020	1,101
*,1	Amprius				Technologies Inc.		
	Technologies Inc.	593,900	3,142		Class A	875,201	1,103
*,1	Hyliion Holdings			*,1	FreightCar		
	Corp.	3,720,847	3,028		America Inc.	351,606	949
*	Innovative Solutions	050.004		*,1	Hydrofarm Holdings		
* *	& Support Inc.	353,301	3,014		Group Inc.	950,421	872
*,1	Danimer			*	Priority Technology		
	Scientific Inc. Class A	2,920,239	2,979		Holdings Inc.	239,738	853
*,1	Spire Global Inc.	372,090	2,910	*,1	Astra Space Inc.	004 707	005
*,1	Terran Orbital Corp.	2,419,100	2,758	*,1	Class A	361,787	825
*,1	CompoSecure Inc.	505,739	2,731	*	Sono-Tek Corp.	158,428	822
*	Babcock & Wilcox	000,700	2,701		M-Tron Industries Inc.	22,400	800
	Enterprises Inc.	1,843,405	2,691	*	RF Industries Ltd.	249,088	757
*	Willis Lease Finance	1,010,100	2,001	*	IZEA Worldwide Inc.	249,088 369,547	743
	Corp.	53,245	2,603	*	Pioneer Power	309,547	743
*,1	CPI Card Group Inc.	133,343	2,559		Solutions Inc.	107,157	728
*,1	Skillsoft Corp.	145,044	2,550	*,1	Katapult	107,107	720
*,1	Markforged Holding				Holdings Inc.	65,728	718
	Corp.	3,063,363	2,512	*	StarTek Inc.	158,219	698
*	VirTra Inc.	265,149	2,511		Espey Manufacturing		
	Frequency				& Electronics Corp.	36,920	690
	Electronics Inc.	228,179	2,499	*	Orion Energy		
1	HireQuest Inc.	159,520	2,449		Systems Inc.	765,432	663
*	Alpha Pro Tech Ltd.	462,840	2,448	*	ClearSign		
*,1	374Water Inc.	1,698,615	2,412		Technologies Corp.	588,974	654
*	Ultralife Corp.	348,051	2,374	*,1	Sypris Solutions Inc.	311,226	629
*,1	Paysign Inc.	842,113	2,358	*,1	AppTech Payments	000 007	
*,1,2	Tingo Group Inc.	3,254,473	2,246	Ū	Corp.	289,967	577
*	Research	040.00	0.000	*	Air T Inc.	32,860	542
	Solutions Inc.	846,894	2,202	*,1	Cepton Inc.	170,313	535
*,1	SKYX Platforms	1 005 404	0 107	*	TOMI Environmental	404.000	400
*,1	Corp. Redwire Corp.	1,335,481 737,344	2,137	*	Solutions Inc. Mega Matrix Corp.	484,669	490 478
, '	neuwire corp.	101,044	2,101		weya wathx corp.	339,000	4/0

TSR Inc. 50,537 455 ·			Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
 Fuel Tech Inc. 430,339 Heam Inc. 67,315 444 ⁷² GCL Iberty Inc. 2,704,635 GCL Iberty Inc. 2,704,635 GCL Iberty Inc. 2,704,635 GCL Iberty Inc. 2,704,635 GCL Iberty Inc. 2,9005,186 GCL Iberty Inc. 2,9005,186 GCL Iberty Inc. 2,9005,186 GCL Iberty Inc. 2,945,648 GCL Iberty Inc. 1,74,015 Momentus Inc. 19,533 Appleted rong Inc. 19,533 Appleted DNA Sarcos Technology & Tasting Co. 11,290,222 GC Iberty Inc. 3,333,340 GC Iberty Inc. 3,333,340 GC Iberty Inc. 3,303,340 GC Iberty Inc. 113,427 GC Iberty Inc. 113,427 GC Iberty Inc. 113,427 GC Iberty Inc. 12,624,557 GC Iberty Inc. 13,427 GC Iberty Inc. 13,447 GC Iberty Inc. 13,447 GC Iberty Inc. 14,449,53 GC Iberty Inc. 14,449,53 GC Iberty Inc. 14,449,53 GC Iberty Inc. 14,449,53 GC Iberty Inc. 14,449,53<td>*</td><td>TSB Inc</td><td>50 537</td><td>455</td><td>*</td><td>Ardagh Group SA</td><td></td><td></td>	*	TSB Inc	50 537	455	*	Ardagh Group SA		
*.1 Team Inc. 67315 444 *.2 GCI Liberty Inc. 2.704,635 — Tairon Class A 125,572 438 * 190,298,744 Taylor Devices Inc. 15,603 349 Real Estate (3.0%) * 190,298,744 * Togonfly Energy 610,200 331 Equinix Inc. 2,945,643 3,866,391 * More Revery Inc. 140,320 319 Crown Castle Inc. 1,605,475 3,160,215 * MSP Recovery Inc. 134,032 99 Crown Castle Inc. 1,606,475 1,513,747 * Momentus Inc. 174,015 301 Simon Property 9,714,257 1,385,642 * Active for Group Inc. 19,533 244 Storage Inc. 9,502,319 1,278,822 * Sacros Technology & Trust Inc. 9,502,319 1,278,822 Trust Inc. 9,502,319 1,278,822 * ApdEgle Aerial 3,335,368 242 * Costar Group Inc. 1,280,077,73 1,19,289 * Jewett Cameron 1,280,787 3,333,340 860,856	*		,				37	_
Taitron Sidus Space Inc. 1 — Class A 125,572 438 190,296,744 FG Group FG Group 15,808 349 Real Estate (3.0%) 190,296,744 FG Group Holdings Inc. 226,990 334 American Tower 29,005,186 3,866,391 American Tower Corp. 14,638,768 3,160,215 237,295 Astrotech Corp. 38,881 330 Welttower Inc. 17,468,904 1,575,171 MSP Recovery Inc. 140,0320 319 Crown Castle Inc. 13,805,475 1,572,171 Momentus Inc. 174,015 301 Public Storage 4,957,1385,642 2,025,219 1,380,002 Sarcos Technology & Sarcos Technology & Tust Inc. 9,502,319 1,278,822 Robotics Corp. 35,368 242 CoStar Group Inc. 12,807,972 1,119,289 Lawer Carbon longy & Tust Inc. 9,502,319 1,278,822 Tust Inc. 9,502,319 1,278,822 Robotics Corp. 33,538 214 <td< td=""><td>*,1</td><td></td><td></td><td></td><td>*,2</td><td>GCI Liberty Inc.</td><td>2,704,635</td><td>_</td></td<>	*,1				*,2	GCI Liberty Inc.	2,704,635	_
Class A 125,572 438 190,296,744 Taylor Devices Inc. 15,808 349 Real Estate (3.0%) Prologis Inc. 29,005,186 3,866,391 Holdings Inc. 226,990 334 American Tower 14,638,758 3,160,215 Astrotech Corp. 38,881 330 Equinix Inc. 2,945,648 2,372,395 Morentus Inc. 174,619,044 15,75,171 NSP Recovery Inc. 14,638,758 3,160,215 Morentus Inc. 174,05,904 1,575,171 Nore Castle Inc. 13,605,475 1,562,715 Morentus Inc. 174,015,300 Servotronics Inc. 19,533 244 Digital Realty 1,303,002 Servotronics Inc. 19,533 244 Digital Realty 1,280,7972 1,385,642 Applied DNA Sciences Inc. 346,633 214 Store Group Inc. 12,280,2919 1,278,822 Applied DNA Store Store Corp. 335,368 242 Store Group Inc. 12,807,972 878,548 LGL Group Inc. 1,292,783 Toste Group Inc. <td< td=""><td></td><td></td><td>,</td><td></td><td>*</td><td>Sidus Space Inc.</td><td></td><td></td></td<>			,		*	Sidus Space Inc.		
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Astronuc 35,021 35,021 Welltower Inc. 17,468,904 1,575,171 MSP Recovery Inc. 139,986 311 Crown Castle Inc. 13,605,475 1,567,215 Momentus Inc. 174,015 301 Public Storage 4,983,106 1,513,477 AmpliTech Group Inc. 135,900 259 Group Inc. 9,714,257 1,385,642 Servotronics Inc. 19,533 244 Public Storage 4,983,106 1,513,477 Appled DNA Sciences Inc. 346,633 214 Tust Inc. 9,502,319 1,278,822 Solide DNA Sciences Inc. 1,950,222 205 Class A 2,157,757 878,548 Jewert Cameron Trading Co. Ltd. 33,538 179 Corp. Class A 3,393,340 860,856 Potessional Diversity Exel Group Inc. 12,827,763 155 Class A 9,076,794 844,959 Applet DNA Supervays Communications Communications 633,829 633,920 14 Rindustries Group E. 12,827,63 155 <td>*</td> <td></td> <td></td> <td></td> <td></td> <td>Equinix Inc.</td> <td>2,945,648</td> <td>2,372,395</td>	*					Equinix Inc.	2,945,648	2,372,395
Note Crown Castle Inc. 13,605,475 1,567,215 Xos Inc. 174,015 301 Public Storage 4,963,106 1,513,747 Momentus Inc. 174,015 301 Simon Property 9,714,257 1,385,642 AEye Inc. 108,615 249 Group Inc. 9,714,257 1,385,642 Servotronics Inc. 19,533 244 Digital Realty 1,303,002 Digital Realty 1,303,002 Servotronics Inc. 19,533 244 CoStar Group Inc. 12,807,972 1,119,289 Applied DNA Sciences Inc. 346,633 214 Storage Inc. 6,623,048 1,061,873 Jewett-Cameron Systems Inc. 1,950,222 205 Class A 2,7557,957 878,548 Jewett-Cameron SBA Communications Corp. Class A 3,93,340 860,856 Sind C. Ltd. 33,538 179 Corp. Class A 3,93,340 860,856 DSS Inc. 1,292,763 155 Class A 9,076,794 844,959 Avalo	* 1					Welltower Inc.	17,468,904	1,575,171
Notion Public Storage Application Public Storage Application		,					13,605,475	1,567,215
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	*		070	0			5,783,019	387,462
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	,_	i athut National Inc.	123,013	_		moperties inc.	0,200,010	370,088

	Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
Rexford Industri Realty Inc.	al 6,422,060	360,278		Macerich Co. Sabra Health Care	6,786,795	104,720
American Home Rent Class A		345,749		REIT Inc. Broadstone Net	7,292,221	104,060
Healthpeak Properties Inc.	17,152,943	339,628		Lease Inc. Physicians Realty	5,879,915	101,252
Camden Propert Trust		331,340		Trust National Storage	7,451,241	99,176
CubeSmart Boston	7,045,568	326,562		Affiliates Trust Park Hotels &	2,372,607	98,392
Properties Inc. Lamar Advertisi	4,428,187	310,726	1	Resorts Inc. Hannon Armstrong	6,413,483	98,126
Co. Class A * Zillow Group Inc	2,748,855	292,148		Sustainable		
Class C * Jones Lang	4,925,065	284,964	1	Capital Inc. Medical Properties	3,540,979	97,660
LaSalle Inc. Americold Realt	1,499,720	283,252		Trust Inc. LXP Industrial Trust	18,769,212 9,270,070	92,157 91,959
Trust Inc. EastGroup	8,974,599	271,661	1	SL Green Realty Corp.	2,028,359	91,621
Properties Inc. Federal Realty	1,456,377	267,303		COPT Defense Properties	3,524,705	90,338
Investment Tru NNN REIT Inc.	st 2,556,057 5,692,087	263,402 245,329		DigitalBridge Group Inc.	5,086,461	89,217
Omega Healthca Investors Inc.		235,202		Innovative Industrial Properties Inc.	878,122	88,532
STAG Industrial Brixmor Propert	Inc. 5,735,930	225,193	*	Tanger Inc. Opendoor	3,112,038	86,266
Group Inc. First Industrial F	9,378,601	218,240		Technologies Inc. CareTrust REIT Inc.	19,195,131 3,740,748	85,994 83,718
Trust Inc. Healthcare Real	4,127,491	217,395	*	SITE Centers Corp. Howard Hughes	6,138,966	83,674
Trust Inc. Class	A 12,017,829	207,067 197,139		Holdings Inc. Highwoods	968,271	82,836
Ryman Hospital Properties Inc.		194,924	1	Properties Inc. Global Net Lease Inc.	3,321,104 7,608,379	76,253 75,703
Spirit Realty				Douglas Emmett Inc.		73,450
Capital Inc. Terreno Realty C		192,222 170,332		National Health Investors Inc.	1,300,502	72,633
Apartment Incor REIT Corp. Cla	ss A 4,567,210	158,619		St. Joe Co. Four Corners	1,195,695	71,957
Kite Realty Grou Trust	6,884,009	157,368		Property Trust Inc. Sunstone Hotel	2,804,407	70,952
Rayonier Inc. Vornado Realty⊺	4,681,076 Trust 5,436,828	156,395 153,590	*	Investors Inc. Zillow Group Inc.	6,496,227	69,705
Kilroy Realty Co Phillips Edison &		146,690		Class A Outfront Media Inc.	1,163,369 4,638,794	65,986 64,758
Inc. Essential Proper	3,767,274 ties	137,430	*	Cushman & Wakefield plc	5,937,720	64,127
Realty Trust Inc PotlatchDeltic C		125,187 122,911		Urban Edge Properties	3,466,910	63,444
Cousins Properties Inc.	4,763,164	115,983		Pebblebrook Hotel Trust	3,927,532	62,762
EPR Properties Independence F	2,364,241 lealty	114,548		DiamondRock Hospitality Co.	6,497,620	61,013
Trust Inc. Apple Hospitalit	7,070,134	108,173		Equity Commonwealth	3,150,949	60,498
REIT Inc.	6,403,559	106,363		RLJ Lodging Trust	4,823,853	56,536

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	Retail Opportunity				American Assets		
	Investments Corp.	3,784,433	53,096		Trust Inc.	1,155,723	26,015
	Acadia Realty Trust	2,997,012	50,919		Armada Hoffler		
	InvenTrust Properties				Properties Inc.	1,896,036	23,454
	Corp.	2,007,100	50,860		NexPoint Residential		
	JBG SMITH				Trust Inc.	676,829	23,303
	Properties	2,933,752	49,903		Summit Hotel		
*	Compass Inc.				Properties Inc.	3,209,693	21,569
	Class A	11,889,624	44,705	1	Peakstone Realty		
	Service Properties				Trust	1,076,600	21,457
	Trust	5,220,401	44,582		Global Medical		
	Newmark Group Inc.				REIT Inc.	1,861,159	20,659
	Class A	4,036,442	44,239		Community		
	Alexander &				Healthcare Trust Inc.	747,617	19,917
	Baldwin Inc.	2,277,884	43,325		Whitestone REIT	1,541,690	18,947
	Uniti Group Inc.	7,463,005	43,136	1	Farmland		
	Xenia Hotels &				Partners Inc.	1,486,534	18,552
	Resorts Inc.	3,165,313	43,112	1	CBL & Associates		
	LTC Properties Inc.	1,324,789	42,552		Properties Inc.	732,574	17,889
	Kennedy-Wilson				Universal Health		
	Holdings Inc.	3,429,394	42,456		Realty Income Trust	413,444	17,881
	Getty Realty Corp.	1,428,700	41,747	*	Forestar Group Inc.	538,939	17,823
	Elme Communities	2,813,618	41,079		Saul Centers Inc.	439,170	17,246
	Hudson Pacific	,,	,		Gladstone Land Corp.	1,118,425	16,161
	Properties Inc.	4,402,588	40,988		Alexander's Inc.	75,137	16,047
*	GEO Group Inc.	3,736,646	40,468		Chatham Lodging		
	Easterly Government	-,,	-,		Trust	1,474,768	15,810
	Properties Inc.			1	Ares Commercial		
	Class A	2,891,300	38,859		Real Estate Corp.	1,521,592	15,764
	Empire State Realty				Gladstone		
	Trust Inc. Class A	3,990,347	38,666		Commercial Corp.	1,186,750	15,713
	Veris Residential Inc.	2,448,747	38,519		RMR Group Inc.		
1	eXp World				Class A	443,704	12,526
	Holdings Inc.	2,432,851	37,758		One Liberty		
	NETSTREIT Corp.	2,063,533	36,834		Properties Inc.	549,453	12,039
*	Redfin Corp.	3,457,551	35,682		Office Properties		
*	Apartment				Income Trust	1,518,403	11,115
	Investment &			1	CTO Realty		
	Management Co.				Growth Inc.	633,230	10,974
	Class A	4,437,902	34,749	*	FRP Holdings Inc.	170,118	10,697
	UMH Properties Inc.	2,256,065	34,563	*	Tejon Ranch Co.	619,353	10,653
	RPT Realty	2,665,717	34,201		Orion Office		
	Plymouth Industrial				REIT Inc.	1,829,577	10,465
	REIT Inc.	1,371,217	33,005	*,1	Seritage Growth		
	Marcus &				Properties Class A	1,116,701	10,441
	Millichap Inc.	755,429	32,997		Industrial Logistics		
	Paramount				Properties Trust	2,135,037	10,035
	Group Inc.	6,004,698	31,044		NET Lease Office		
	Brandywine Realty				Properties	497,306	9,190
	Trust	5,445,069	29,403	*,1	Stratus		
	Piedmont Office				Properties Inc.	274,453	7,921
	Realty Trust Inc.				Alpine Income		
	Class A	3,892,835	27,678		Property Trust Inc.	467,309	7,902
	Diversified				Bridge Investment		
	Healthcare Trust	7,325,882	27,399		Group Holdings Inc.		
*	Anywhere Real				Class A	806,505	7,888
	Estate Inc.	3,293,319	26,709		Postal Realty		
	Centerspace	454,649	26,461		Trust Inc. Class A	503,164	7,326

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	City Office REIT Inc.	1,177,661	7,196	*	Meta Platforms Inc.		
	Franklin Street				Class A	69,669,051	24,660,057
	Properties Corp.	2,758,628	7,062	*	Alphabet Inc. Class (21,522,774
	RE/MAX				Broadcom Inc.	13,928,914	15,548,150
	Holdings Inc.			*	Adobe Inc.	14,289,771	8,525,277
	Class A	519,322	6,923	*	Salesforce Inc.	29,009,098	7,633,454
	BRT Apartments			*	Advanced Micro		
	Corp.	355,802	6,614		Devices Inc.	50,708,088	7,474,879
	Douglas Elliman Inc.	2,057,383	6,069		Intel Corp.	132,347,697	6,650,472
*,1	Offerpad				Oracle Corp.	51,580,874	5,438,172
	Solutions Inc.	568,364	5,826		Intuit Inc.	8,354,502	5,221,814
*	Star Holdings	384,803	5,764		QUALCOMM Inc.	34,922,133	5,050,788
	Braemar Hotels &				Texas		
	Resorts Inc.	2,097,772	5,244		Instruments Inc.	28,482,478	4,855,123
	Modiv Industrial Inc.				International		
	Class C	224,372	3,343		Business Machines	6	
*	Maui Land &				Corp.	28,640,079	4,684,085
	Pineapple Co. Inc.	201,600	3,203	*	ServiceNow Inc.	6,432,254	4,544,323
*	AMREP Corp.	115,952	2,548		Applied Materials Ind		4,254,779
*,1	Ashford Hospitality				Lam Research Corp.		3,239,797
	Trust Inc.	1,242,653	2,411		Analog Devices Inc.	15,570,646	3,091,707
	Clipper Realty Inc.	405,295	2,189		Micron	10,070,040	0,001,707
	Creative Media &				Technology Inc.	34,472,657	2,941,897
	Community Trust			*	Palo Alto	01,172,007	2,011,007
	Corp.	477,630	1,786		Networks Inc.	9,898,099	2,918,751
	Bluerock Homes				KLA Corp.	4,265,906	2,479,771
	Trust Inc.	109,382	1,530	*	Synopsys Inc.	4,773,109	2,457,722
	Global Self			*	Cadence Design	4,773,103	2,437,722
	Storage Inc.	319,661	1,480		Systems Inc.	8,539,101	2,325,795
*,1	Altisource Portfolio				Amphenol Corp.	0,000,101	2,323,795
	Solutions SA	399,728	1,423		Class A	18,761,794	1,859,857
*	Fathom Holdings Inc.	. 347,914	1,249	*	Snowflake Inc.	10,701,734	1,000,007
*	Comstock Holding				Class A	9,321,315	1,854,942
	Cos. Inc. Class A	164,051	733		Roper	5,521,515	1,004,042
*	Rafael Holdings Inc.				Technologies Inc.	3,344,804	1,823,487
	Class B	381,611	698	*	Crowdstrike	3,344,004	1,020,407
*	Sotherly Hotels Inc.	337,859	503		Holdings Inc.		
*,1	LuxUrban Hotels Inc.	43,833	262		Class A	7,101,528	1,813,162
1	Presidio Property			*	Workday Inc. Class A		1,793,298
	Trust Inc. Class A	184,525	190		Marvell	- 0,430,043	1,700,200
*,2	New York REIT				Technology Inc.	27,105,912	1,634,758
	Liquidating LLC	19,100	133	*	Autodesk Inc.	6,710,560	1,633,887
*	Alset Inc.	77,598	80		Microchip	0,710,500	1,033,007
*	Trinity Place				Technology Inc.	16,985,836	1,531,783
	Holdings Inc.	467,678	52		TE Connectivity Ltd.		1,370,659
*,1	Avalon GloboCare			*	Fortinet Inc.		
	Corp.	33,944	16			20,480,474	1,198,722
*	American Strategic				Cognizant Technolog	У	
	Investment Co.	254	2		Solutions Corp.	15 721 010	1 107 176
*,2	Spirit MTA REIT	2,854,330	_	*	Class A	15,721,910	1,187,476
*	CKX Lands Inc.	30	_		Atlassian Corp.	1 070 710	1 150 022
		_	40.077.000	*	Class A	4,872,748	1,159,032
т			43,977,030		ON Semiconductor	12 527610	1 120 062
rech	nology (31.0%)	100 740 075	00 005 500	*	Corp. Palantir	13,527,613	1,129,962
		463,748,976	89,285,590		Technologies Inc.		
		233,278,085	87,721,891		Class A	61,738,653	1,060,053
	NVIDIA Corp.	73,651,336	36,473,615	*	Gartner Inc.	2,324,409	1,048,564
*	Alphabet Inc. Class A	185,773,154	25,950,652	*			
					Datadog Inc. Class A	8,542,756	1,036,920

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	ANSYS Inc.	2,732,569	991,595		Bentley Systems Inc.		
*	DoorDash Inc.				Class B	7,104,361	370,706
	Class A	9,905,913	979,596	*	Nutanix Inc. Class A	7,537,563	359,466
	CDW Corp.	4,202,456	955,302	*	Qorvo Inc.	3,060,986	344,698
	Monolithic Power			*	Unity Software Inc.	8,377,996	342,576
	Systems Inc.	1,430,997	902,644	*	F5 Inc.	1,874,185	335,442
*	HubSpot Inc.	1,504,140	873,213	*	Pure Storage Inc.		
*	MongoDB Inc.				Class A	9,351,311	333,468
	Class A	2,129,759	870,752		Paycom		
	HP Inc.	27,909,533	839,798		Software Inc.	1,611,545	333,139
*	Splunk Inc.	5,285,897	805,306	*	Match Group Inc.	8,547,566	311,986
*	Cloudflare Inc.			*	Ceridian HCM		
	Class A	8,843,863	736,340		Holding Inc.	4,643,544	311,675
	Corning Inc.	24,073,700	733,044	*	Lattice		
*	Pinterest Inc. Class A	18,434,979	682,832		Semiconductor		
	Hewlett Packard				Corp.	4,325,177	298,394
	Enterprise Co.	40,193,075	682,478	*	UiPath Inc. Class A	11,446,235	284,324
*	PTC Inc.	3,553,734	621,761	*	Guidewire		
*	Zscaler Inc.	2,780,423	616,031		Software Inc.	2,565,214	279,711
	Dell Technologies Inc			*	Elastic NV	2,460,399	277,287
	Class C	7,987,767	611,064		Universal Display		
	NetApp Inc.	6,542,088	576,750		Corp.	1,414,440	270,526
	Entegris Inc.	4,709,616	564,306	*	Onto Innovation Inc.	1,548,803	236,812
	Skyworks			*	Toast Inc. Class A	12,794,225	233,623
	Solutions Inc.	5,003,941	562,543		KBR Inc.	4,212,871	233,435
*	Akamai			*	Dropbox Inc. Class A	7,860,970	231,741
	Technologies Inc.	4,726,953	559,435	*	Rambus Inc.	3,373,203	230,221
*	VeriSign Inc.	2,707,716	557,681	*	CACI		
*	Snap Inc. Class A	32,820,879	555,657		International Inc.		
*	Tyler				Class A	697,124	225,771
	Technologies Inc.	1,318,991	551,497	*	SPS Commerce Inc.	1,147,711	222,472
*	EPAM Systems Inc.	1,815,236	539,742	*	Fabrinet	1,146,909	218,291
*	Western Digital Corp	. 10,228,792	535,682	*	Qualys Inc.	1,088,222	213,596
	Seagate Technology			*,1	MicroStrategy Inc.		
	Holdings plc	6,263,163	534,686		Class A	335,693	212,030
*	Zoom Video				Science Applications		
	Communications				International Corp.	1,670,248	207,645
	Inc. Class A	7,294,702	524,562	*	Arrow		
	Teradyne Inc.	4,798,838	520,770	*	Electronics Inc.	1,688,600	206,431
	Vertiv Holdings Co.				Coherent Corp.	4,734,643	206,099
	Class A	10,734,535	515,580	*	Procore	0 050 077	004.040
	Jabil Inc.	3,819,661	486,625	*	Technologies Inc.	2,958,877	204,813
*	GoDaddy Inc. Class A		468,810		ZoomInfo		
	Leidos Holdings Inc.	4,307,704	466,266		Technologies Inc.	11 047720	204,273
*	Dynatrace Inc.	8,298,026	453,819	*	Class A	11,047,729	204,273
*	Okta Inc. Class A	4,933,901	446,666		Aspen	000 012	200.075
*	Super Micro			*	Technology Inc. SentinelOne Inc.	908,813	200,075
	Computer Inc.	1,484,478	421,978		Class A	7,279,356	199,746
*	Manhattan			*		1,279,350	199,740
	Associates Inc.	1,929,732	415,510		AppLovin Corp. Class A	4,995,377	199,066
*	Twilio Inc. Class A	5,390,398	408,969	*	Smartsheet Inc.	-,000,077	100,000
	SS&C Technologies				Class A	4,066,946	194,481
	Holdings Inc.	6,603,738	403,554	*	Novanta Inc.	1,121,519	188,875
	Gen Digital Inc.	17,013,885	388,257	*	Gitlab Inc. Class A	2,960,462	186,391
*	DocuSign Inc.			*	Insight	2,000,402	100,001
	Class A	6,383,307	379,488		Enterprises Inc.	1,023,704	181,390
				*	Five9 Inc.	2,285,318	179,832
						2,200,010	1,0,002

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	Concentrix Corp.	1,802,617	177,035	*	Ziff Davis Inc.	1,403,453	94,298
	TD SYNNEX Corp.	1,592,946	171,417	*,1	C3.ai Inc. Class A	3,240,409	93,032
*	Wolfspeed Inc.	3,924,135	, 170,739	*	CCC Intelligent	., .,	,
*	Tenable Holdings Inc.	3,622,318	166,844		Solutions		
	Dolby	0,022,010	100,011		Holdings Inc.	8,089,183	92,136
	Laboratories Inc.			*	Braze Inc. Class A	1,714,321	91,082
	Class A	1,869,036	161,074	*	Alteryx Inc. Class A	1,871,539	88,262
*	Samsara Inc. Class A	4,811,159	160,596	*	Sprout Social Inc.		
*	DoubleVerify	,. ,			Class A	1,434,106	88,111
	Holdings Inc.	4,266,288	156,914	*	Sanmina Corp.	1,698,911	87,273
*	MACOM Technology	.,,	,	*	JFrog Ltd.	2,507,959	86,800
	Solutions			*	RingCentral Inc.	2,007,000	00,000
	Holdings Inc.	1,666,094	154,863		Class A	2,523,615	85,677
*	Workiva Inc. Class A	1,478,338	150,096	*	Parsons Corp.	1,333,802	83,643
*	Kyndryl Holdings Inc.	7,208,446	149,792	*	Credo Technology	1,000,002	00,040
*	Varonis Systems Inc.	1,200,110	110,702		Group Holding Ltd.	4,006,330	78,003
	Class B	3,262,196	147,712	*	Rogers Corp.	590,355	77,968
	Power	0,202,100	117,712	*	Envestnet Inc.		
	Integrations Inc.	1,792,895	147,215	*		1,536,522	76,089
*	Blackbaud Inc.	1,682,256	145,852	*	Q2 Holdings Inc.	1,736,011	75,360
*	Freshworks Inc.	1,002,200	140,002		HashiCorp Inc.	0 147005	74 200
	Class A	6,131,296	144,024	*	Class A	3,147,025	74,396
	Avnet Inc.	2,852,864	143,784		LiveRamp	1 062 204	74 260
*	Altair	2,032,004	140,704		Holdings Inc.	1,963,284	74,369
	Engineering Inc.				Progress Software	1 267600	74 266
	Class A	1,701,833	143,209	*	Corp. Perficient Inc.	1,367,690	74,266
*	Synaptics Inc.	1,237,297	141,151	*		1,089,931	71,739
*	DXC Technology Co.	6,089,036	139,256	*	Ambarella Inc.	1,169,817	71,698
*	Cirrus Logic Inc.	1,672,600	139,144	*	nCino Inc.	2,120,722	71,320
*	Confluent Inc.	1,072,000	155,144		Schrodinger Inc.	1,982,406	70,970
	Class A	5,914,880	120 100	*	NCR Voyix Corp.	4,169,167	70,501
*		5,914,000	138,408	*	Cargurus Inc. Class A		69,405
	Silicon Laboratories Inc.	1,013,366	134,038	*	ePlus Inc.	842,988	67,304
*				*	Allegro		
	Teradata Corp.	3,068,278	133,501		MicroSystems Inc.	2,168,466	65,639
	Axcelis Technologies Inc.	1 024 501	122 070	*	SiTime Corp.	530,377	64,748
	•	1,024,591	132,879	*,1	Fastly Inc. Class A	3,626,374	64,549
	Amkor Technology Inc.	3,891,601	120 474		Pegasystems Inc.	1,302,725	63,651
	• /	3,091,001	129,474	*,1	lonQ Inc.	5,052,628	62,602
	Advanced Energy Industries Inc.	1,184,350	120 000	*,1	Impinj Inc.	694,053	62,486
*	IAC Inc.		128,999		Xerox Holdings Corp.	3,403,634	62,389
*		2,284,679	119,671	*,1	DigitalOcean		
	CommVault Systems Inc.	1,393,172	111,245		Holdings Inc.	1,664,786	61,081
*	,			*	PagerDuty Inc.	2,588,630	59,927
	Box Inc. Class A	4,293,090	109,946	*	Squarespace Inc.	,,	
	Diodes Inc.	1,359,694	109,483		Class A	1,798,427	59,366
Ĵ	BlackLine Inc.	1,713,216	106,973	*	Upwork Inc.	3,788,967	56,342
	Appfolio Inc. Class A	617,010	106,891		Clear Secure Inc.	-,,	
	Dun & Bradstreet	0.006.107	100 405		Class A	2,648,213	54,686
	Holdings Inc.	9,096,127	106,425	*	Photronics Inc.	1,730,995	54,301
	Rapid7 Inc.	1,806,242	103,136	*	MaxLinear Inc.		
, î	FormFactor Inc.	2,432,698	101,468		Class A	2,266,415	53,873
	IPG Photonics Corp.	909,901	98,761	*	Agilysys Inc.	634,411	53,811
*	Yelp Inc. Class A	2,046,689	96,890	*	Verint Systems Inc.	1,962,609	53,049
*	Alarm.com			*	Veeco	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,0
	Holdings Inc.	1,492,446	96,442		Instruments Inc.	1,661,047	51,542
	Vishay			*	Cleanspark Inc.	4,610,798	50,857
	Intertechnology Inc.	4,017,559	96,301	*	PROS Holdings Inc.	1,299,892	50,423
*	Plexus Corp.	873,706	94,474			,,002	,.20

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	Cohu Inc.	1,420,203	50,261	*	E2open Parent		
*	TTM				Holdings Inc.	6,164,124	27,061
	Technologies Inc.	3,165,196	50,042	*	N-able Inc.	1,965,948	26,049
*	Appian Corp. Class A	1,311,913	49,407	*	3D Systems Corp.	4,013,073	25,483
*	NetScout				Methode		
	Systems Inc.	2,151,820	47,232		Electronics Inc.	1,103,207	25,076
*	Ultra Clean	4 000 450		*	Couchbase Inc.	1,066,263	24,012
	Holdings Inc.	1,366,150	46,640	*	Cerence Inc.	1,201,324	23,618
	Informatica Inc. Class A	1 614 026	45,845	*,1	Aehr Test Systems	886,185	23,510
*,1	Xometry Inc. Class A	1,614,836 1,271,417	45,645 45,657	*	PC Connection Inc.	343,225	23,068
,.	CSG Systems	1,271,417	45,057	Ŷ	Grid Dynamics	1 666 570	22.215
	International Inc.	846,686	45,052	*	Holdings Inc. Diebold Nixdorf Inc.	1,666,570	22,215
*	Bumble Inc. Class A	3,047,003	44,913		Simulations Plus Inc.	749,600 475,654	21,701
*	Vertex Inc. Class A	1,665,584	44,871	*	Eventbrite Inc.	475,054	21,286
*	Paycor HCM Inc.	2,030,807	43,845		Class A	2,533,728	21,182
*	Semtech Corp.	1,987,195	43,539	*	Matterport Inc.	7,851,178	21,102
*,1	Asana Inc. Class A	2,235,408	42,495	*	Vimeo Inc.	5,339,889	20,932
	CTS Corp.	957,527	41,882	*,1	Klaviyo Inc. Class A	735,788	20,440
*,1	PAR Technology			*	SolarWinds Corp.	1,618,452	20,214
	Corp.	917,640	39,954	*	PubMatic Inc.	,, -	-,
	Adeia Inc.	3,077,516	38,130		Class A	1,239,124	20,210
*	Magnite Inc.	4,064,385	37,961	*	Digital Turbine Inc.	2,901,678	19,906
*	Zeta Global Holdings			*	BigCommerce		
	Corp. Class A	4,278,341	37,735		Holdings Inc.	1,977,724	19,243
1	Shutterstock Inc.	777,507	37,538	*	Yext Inc.	3,172,438	18,686
*	Jamf Holding Corp.	2,073,381	37,445	*	Kimball		
*	Intapp Inc.	984,678	37,437		Electronics Inc.	677,296	18,253
*	indie			*,1	SEMrush		
	Semiconductor Inc. Class A	4,558,066	36,966		Holdings Inc. Class A	1,332,280	18,199
*	Sprinklr Inc. Class A	3,066,236	36,900	*	Mitek Systems Inc.	1,391,563	18,135
*	Zuora Inc. Class A	3,917,211	36,822	*,1	Digimarc Corp.	494,615	17,865
*	AvePoint Inc.	4,421,969	36,304	*	SmartRent Inc.	404,010	17,000
*	PDF Solutions Inc.	1,123,545	36,111		Class A	5,566,988	17,759
*	Veradigm Inc.	3,282,514	34,434	*	Olo Inc. Class A	3,067,735	17,547
*	ScanSource Inc.	836,936	33,151	*,1	Getty Images		
*	EngageSmart Inc.	1,369,819	31,369		Holdings Inc.	3,254,300	17,085
*	Everbridge Inc.	1,271,286	30,905	*	nLight Inc.	1,264,578	17,072
*	Model N Inc.	1,110,025	29,893	*	Alpha & Omega		
*	Alkami				Semiconductor Ltd.	643,490	16,769
	Technology Inc.	1,220,260	29,591	*,1	Blend Labs Inc.		
	Benchmark			,	Class A	6,432,185	16,402
	Electronics Inc.	1,065,589	29,453		Vivid Seats Inc.	2 500 000	10.001
*	TechTarget Inc.	831,768	28,995	*,1	Class A NerdWallet Inc.	2,588,800	16,361
	A10 Networks Inc.	2,174,205	28,634	, 1	Class A	1,106,720	16,291
*	Amplitude Inc.			*	Weave	1,100,720	10,231
	Class A	2,250,274	28,623		Communications		
*	ACM Research Inc.	4 400 500	00 507		Inc.	1,413,748	16,216
*	Class A	1,463,522	28,597		Hackett Group Inc.	689,753	15,706
*	Ichor Holdings Ltd.	846,634	28,472	*,1	MicroVision Inc.	5,662,357	15,062
-	Navitas Semiconductor			*	CEVA Inc.	645,647	14,663
	Corp. Class A	3,461,400	27,933	*	Planet Labs PBC	5,801,296	14,329
*	SMART Global	0,401,400	27,000	*	Consensus Cloud		,
	Holdings Inc.	1,470,356	27,834		Solutions Inc.	544,091	14,261
		, ,	,	*	Thoughtworks		
					Holding Inc.	2,936,882	14,126

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	Definitive Healthcare			-	Richardson		
	Corp. Class A	1,415,958	14,075		Electronics Ltd.	332,253	4,436
*,1	Applied Digital Corp.	1,988,300	13,401	*,1	CoreCard Corp.	314,332	4,347
*,1	SoundHound Al Inc.			*	Upland Software Inc.	980,074	4,146
	Class A	6,118,998	12,972	*	AstroNova Inc.	251,021	4,082
*	MeridianLink Inc.	509,328	12,616	*	AXT Inc.	1,622,032	3,893
*,1	Terawulf Inc.	4,846,555	11,632	*	1stdibs.com Inc.	822,834	3,851
	NVE Corp.	145,801	11,435	*	Pixelworks Inc.	2,796,204	3,663
*	OneSpan Inc.	1,058,980	11,352	*	Brightcove Inc.	1,404,266	3,637
*	Daktronics Inc.	1,325,348	11,239	*	Viant Technology Inc.	, - ,	-,
*	Unisys Corp.	1,935,305	10,876		Class A	509,873	3,513
	American			*	Rackspace		
	Software Inc.				Technology Inc.	1,690,995	3,382
	Class A	921,406	10,412	*	Transphorm Inc.	898,488	3,279
*	Enfusion Inc. Class A	1,069,947	10,378	*	Intevac Inc.	712,652	3,079
*,1	Rumble Inc.	2,181,400	9,794	*	Expensify Inc.		
*	Domo Inc. Class B	900,573	9,267		Class A	1,226,965	3,031
*	Bandwidth Inc.			*,1	FiscalNote Holdings		
	Class A	631,073	9,132		Inc.	2,641,300	3,011
*,1	Groupon Inc. Class A	698,916	8,974	*,1	Aeva		
*	TrueCar Inc.	2,570,193	8,893		Technologies Inc.	3,931,094	2,979
	Immersion Corp.	1,189,827	8,400	*,1	Rigetti	0 0 4 0 7 0 0	0.000
*	LivePerson Inc.	2,161,862	8,193		Computing Inc.	2,946,700	2,902
*	eGain Corp.	977,552	8,143	1 *	CSP Inc.	139,445	2,789
*,1	QuickLogic Corp.	584,273	8,098	²	Synchronoss	400.070	2 622
*	EverQuote Inc.			*,1	Technologies Inc.	422,273	2,622
	Class A	645,954	7,906	*,1	Vroom Inc.	4,332,182	2,610
*,1	Porch Group Inc.	2,459,734	7,576	*,1	WM Technology Inc.	3,203,513	2,307
*,1	Tucows Inc. Class A	280,369	7,570	, ' 1	Veritone Inc.	1,137,370	2,059
*	Kopin Corp.	3,713,434	7,538	I	SilverSun Technologies Inc.	119 700	2 022
*	Backblaze Inc.			*	Amtech Systems Inc.	118,790 477,101	2,032 2,004
,	Class A	948,030	7,196	*	Issuer Direct Corp.		
Ţ	Rimini Street Inc.	2,193,828	7,174	*	comScore Inc.	110,039	1,995
•	Nextdoor	0.050.010	0.010	*	SecureWorks Corp.	118,989	1,987
*	Holdings Inc.	3,659,313	6,916		Class A	263,152	1,942
*,1	Identiv Inc.	821,350	6,768	*	TransAct	200,102	1,042
", I	Innodata Inc.	826,077	6,724		Technologies Inc.	269,345	1,880
*,1	ON24 Inc.	852,030	6,714	*,1	Nutex Health Inc.	9,268,251	1,668
^, I *	Ouster Inc.	864,088	6,628	*,1	Smith Micro	0,200,201	1,000
*,1	inTEST Corp.	471,536	6,413		Software Inc.	2,009,704	1,660
", I *	Red Violet Inc.	320,472	6,400	*	Inuvo Inc.	3,857,320	1,639
	MediaAlpha Inc. Class A	555,905	6,198	*,1	System1 Inc.	726,600	1,613
*	Asure Software Inc.			*,1	, BigBear.ai	·	
*	Telos Corp.	650,426	6,192 6,002		Holdings Inc.	739,669	1,583
*,1		1,644,309		*,1	Stronghold Digital		
, ' *,1	Atomera Inc.	855,596	5,998		Mining Inc. Class A	211,910	1,547
, '	SkyWater Technology Inc.	621,278	5,977	*,1	GSI Technology Inc.	574,548	1,517
*,1	NextNav Inc.	1,285,569	5,721	*,1	Sphere 3D Corp.	450,035	1,494
*,1	Cipher Mining Inc.	1,205,509	5,721	*,1	Direct Digital		
*	EverCommerce Inc.	458,280	5,404 5,055		Holdings Inc.		
*	Arteris Inc.	458,280 816,270			Class A	90,848	1,352
*	Innovid Corp.		4,808	*	Intellicheck Inc.	685,145	1,302
1		3,010,125	4,515	*	Edgio Inc.	3,619,157	1,240
*	ReposiTrak Inc. Everspin	446,046	4,465	*,1	Skillz Inc. Class A	196,381	1,225
	Technologies Inc.	491,754	4,445	*,1	Steel Connect Inc.	126,263	1,202
			., 110				

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*,1	Flux Power			*	Boxlight Corp.		
	Holdings Inc.	287,084	1,180		Class A	189,451	203
*	Key Tronic Corp.	270,500	1,169	*	Rubicon		
*	Quantum Corp.	3,321,825	1,159		Technologies Inc.		
*	AudioEye Inc.	211,717	1,148		Class A	106,092	196
*	DecisionPoint	,	.,	*	Data Storage Corp.	64,393	185
	Systems Inc.	179,250	1,122	*	iPower Inc.	386,294	174
*	Aware Inc.	646,876	, 1,074	*	Paltalk Inc.	65,588	153
*	Zedge Inc. Class B	455,536	1,071	*	VerifyMe Inc.	111,129	124
*	One Stop	100,000	1,071	*,1	Intrusion Inc.	416,377	105
	Systems Inc.	498,283	1,046	*,1	Leafly Holdings Inc.	17,934	86
*	KORE Group	100,200	1,010	*,1	T Stamp Inc. Class A	,	85
	Holdings Inc.	1,047,448	1,027	*,1	CYNGN Inc.	525,965	76
*	NetSol	1,017,110	1,027	*,1	OMNIQ Corp.	90,005	56
	Technologies Inc.	448,836	965	*			48
*	AdTheorent Holding	110,000	000	*	Nortech Systems Inc	5,000	40
	Co. Inc.	654,100	948		Laser Photonics	20.001	22
*,1	Arena Group	001,100	0.10	*,1	Corp.	28,091	33
	Holdings Inc.	382,903	911	*	Remark Holdings Inc	,	20
*,1	Greenidge	002,000	011		Intellinetics Inc.	1,500_	8
	Generation						452,045,607
	Holdings Inc.			Teleo	communications (2.0	%)	
	Class A	134,326	901		Cisco Systems Inc.	. 114.726.249	5,795,970
*	CVD Equipment				Comcast Corp.	, ., .	-,,
	Corp.	198,073	877		Class A	125,965,855	5,523,603
1	VirnetX Holding Corp.	116,102	813		Verizon	-,	-,
*,1	Quantum				Communications		
	Computing Inc.	880,269	804		Inc.	118,780,572	4,478,028
*	Presto	,			AT&T Inc.	224,727,919	3,770,935
	Automation Inc.	1,445,442	768		T-Mobile US Inc.	16,301,046	2,613,547
*	Wag! Group Co.	404,431	716	*	Arista Networks Inc.		1,840,894
*,1	authID Inc.	73,845	699		Motorola	.,	.,= .=,== .
*	EMCORE Corp.	1,425,083	697		Solutions Inc.	5,202,023	1,628,701
*	ZeroFox Holdings Inc.	799,152	695	*	Charter	-,,	.,===,:=:
*	WidePoint Corp.	265,533	616		Communications		
*	Mastech Digital Inc.	69,007	582		Inc. Class A	3,018,969	1,173,413
*,1	•			*	Roku Inc. Class A	3,935,179	360,699
*	Urgent.ly Inc.	182,809	580	*	Liberty Broadband	-,,	,
*	Trio-Tech International	108,490	550		Corp. Class C	3,744,468	301,767
	Data I/O Corp.	180,859	532		Juniper	-,,	
*,1	BuzzFeed Inc.	0 400 000	507		Networks Inc.	10,068,162	296,809
	Class A	2,108,022	527	*	Ciena Corp.	4,686,757	210,951
*,1	Beachbody Co. Inc.	60,943	505	*	Frontier	1,000,707	210,001
*,1	Glimpse Group Inc.	437,150	494		Communications		
*,1	Alpine 4				Parent Inc.	7,714,044	195,474
	Holdings Inc.	649,415	477		Iridium	<i>,,,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	100,171
*	Duos Technologies				Communications		
	Group Inc.	158,934	458		Inc.	3,563,840	146,688
*	BTCS Inc.	280,193	457	*	Lumentum	-,,-	-,
*	Streamline Health				Holdings Inc.	2,146,621	112,526
	Solutions Inc.	1,027,543	437		Cogent	2,110,021	112,020
*,1	KULR Technology				Communications		
	Group Inc.	2,126,566	393		Holdings Inc.	1,371,442	104,312
*	Bridgeline Digital Inc.	419,181	363	*,1	Viasat Inc.	3,551,415	99,262
*	SigmaTron				InterDigital Inc.	793,108	86,084
	International Inc.	98,274	295		Cable One Inc.	141,428	78,717
*,1	Phunware Inc.	3,434,695	282	*			
		113,471	268		Calix Inc.	1,769,868	77,326
*,1	Creative Realities Inc.	113,471	200	*	Viavi Solutions Inc.	7,026,436	70,756

		Shares	Market Value• (\$000)			Shares	Market Value∙ (\$000)
*	Extreme			*	KVH Industries Inc.	623,125	3,278
	Networks Inc. Telephone & Data	3,875,543	68,365	*,1 *	Powerfleet Inc. Cambium Networks	952,316	3,257
*	Systems Inc. Lumen	3,251,568	59,666	* 4	Corp.	375,529	2,253
		01 701 100	EQ 1E0	*,1	SurgePays Inc.	345,312	2,227
*	DISH Network Corp.	31,781,128	58,159	*,1	Genasys Inc. Akoustis	1,069,984	2,172
	Class A	7,857,323	45,337		Technologies Inc.	2,123,996	1,771
*	Harmonic Inc.	3,320,726	43,302		Crexendo Inc.	345,906	1,678
*		22,256,913	43,178	*	Airgain Inc.	355,805	1,267
*	Liberty Broadband Corp. Class A	522,829	42,161	*	DZS Inc. Network-1	641,747	1,264
	Shenandoah				Technologies Inc.	570,833	1,244
	Telecommunications			*,1	Inseego Corp.	3,041,116	668
_	Co.	1,565,246	33,841	*	Casa Systems Inc.	957,382	507
*	fuboTV Inc.	9,076,840	28,864	*	, Franklin Wireless		
*,1	Infinera Corp.	5,831,136	27,698		Corp.	119,754	406
*	Digi International Inc.	1,039,708	27,032	*	Charge		
	Bel Fuse Inc. Class B	379,156	25,316		Enterprises Inc.	2,547,177	291
*	IDT Corp. Class B	645,387	22,001	*,1	CalAmp Corp.	1,119,100	281
*	Altice USA Inc.				ClearOne Inc.	249,029	269
	Class A	6,717,067	21,831	*	Optical Cable Corp.	93,055	251
*	Gogo Inc.	1,931,306	19,564		Bel Fuse Inc. Class A		233
*	United States Cellular			*	Sonim	0,020	200
*,1	Corp. Applied	461,155	19,156	*,1	Technologies Inc.	239,926	176
	Optoelectronics Inc.	943,878	18,236	, '	Vislink Technologies Inc.	34.830	134
*	CommScope Holding Co. Inc.	6,269,922	17,681	*	BK Technologies		
*,1	Lightwave Logic Inc.	3,319,973	16,533		Corp.	300	4
*	EchoStar Corp.	3,515,575	10,000	*,1,2	FTE Networks Inc.	84,180_	
	Class A ADTRAN	979,864	16,236	Utiliti	ies (2.6%)		29,818,101
	Holdings Inc.	2,181,394	16,011	otint	NextEra Energy Inc.	63,541,375	3,859,503
*,1	AST	2,101,334	10,011		Southern Co.	34,268,056	2,402,876
, '	SpaceMobile Inc.				Duke Energy Corp.	24,220,815	
	Class A	2,482,967	14,972		Waste	24,220,615	2,350,388
*	Anterix Inc.	414,796	13,821		Management Inc.	12,632,897	2,262,552
*	Xperi Inc.	1,204,322	13,272		Sempra	12,032,837	1,475,089
	ATN International Inc.				PG&E Corp.		
*		324,753	12,656			79,899,019	1,440,579
*	NETGEAR Inc.	857,738	12,506		American Electric Power Co. Inc.	16,190,090	1 21/ 050
* *	8x8 Inc.	3,289,503	12,434		Dominion Energy Inc.		1,314,959
*,1	Clearfield Inc.	406,637	11,825		Waste	20,271,237	1,234,748
*	Aviat Networks Inc. Consolidated	301,106	9,834		Connections Inc.	8,082,030	1,206,405
	Communications	0.007055	0.000		Constellation Energy	10 024 000	1 172 070
*	Holdings Inc.	2,207,355	9,602		Corp.	10,034,899	1,172,979
	Ribbon				Exelon Corp.	31,178,428	1,119,306
	Communications	0.007707	0.017		Xcel Energy Inc.	17,348,689	1,074,057
	Inc.	2,867,787	8,317		Republic		
	Spok Holdings Inc.	518,466	8,026		Services Inc.	0 405 707	1 050 075
	Comtech				Class A	6,405,767	1,056,375
	Telecommunications	060.000	7000		Consolidated	10.010.007	004400
	Corp.	862,269	7,269		Edison Inc.	10,818,867	984,192
	Ooma Inc.	671,112	7,201		Public Service		
*	WideOpenWest Inc.	1,564,532	6,336		Enterprise	15 547470	050 700
*	Kaltura Inc.	2,537,683	4,949		Group Inc.	15,547,472	950,728
*	Lantronix Inc.	822,470	4,820		Edison International	12,029,114	859,961

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	WEC Energy				Clearway Energy Inc.		
	Group Inc.	9,912,059	834,298		Class C	2,398,522	65,791
	American Water	0,012,000	001,200		SJW Group	891,147	58,236
	Works Co. Inc.	6,153,045	812,140	*,1	Sunnova Energy	001,117	00,200
	Eversource Energy	10,949,537	675,805		International Inc.	3,224,684	49,176
	Entergy Corp.	6,626,534	670,539	1	Hawaiian Electric	0,221,001	10,170
	PPL Corp.	23,112,577	626,351		Industries Inc.	3,431,740	48,696
	FirstEnergy Corp.	17,065,571	625,624		Northwest Natural	0,101,710	10,000
	DTE Energy Co.	5,491,047	605,443		Holding Co.	1,097,419	42,734
	Ameren Corp.	8,245,107	596,451		Middlesex Water Co.	560,187	36,759
	CenterPoint	0,240,107	550,451		Clearway Energy Inc.		,
	Energy Inc.	19,733,836	563,796		Class A	1,275,884	32,637
	Atmos Energy Corp.	4,643,847	538,222		Unitil Corp.	501,679	26,373
	CMS Energy Corp.	9,145,216	531,063	*	Enviri Corp.	2,563,153	23,068
	Vistra Corp.	11,232,423	432,673		Genie Energy Ltd.	,,	-,
	Alliant Energy Corp.	7,909,642	405,765		Class B	742,474	20,886
				*	Altus Power Inc.		
	AES Corp.	21,029,862	404,825		Class A	2,139,508	14,613
	Evergy Inc.	7,195,391	375,599		York Water Co.	329,364	12,720
	NiSource Inc.	13,906,297	369,212		Artesian Resources	,	,
	NRG Energy Inc.	7,107,443	367,455		Corp. Class A	279,248	11,575
	Essential Utilities Inc		291,966	*,1	Vertex Energy Inc.	2,948,032	9,994
*	Clean Harbors Inc.	1,530,586	267,103		Excelerate		,
	Pinnacle West Capita				Energy Inc. Class A	635,447	9,824
	Corp.	3,540,701	254,364		Aris Water		
	OGE Energy Corp.	6,267,999	218,941		Solutions Inc.		
	UGI Corp.	6,585,644	162,007		Class A	797,758	6,693
	IDACORP Inc.	1,579,715	155,318	*,1	NuScale Power Corp.		
*	Casella Waste				Class A	2,004,840	6,596
	Systems Inc.			*	Pure Cycle Corp.	574,922	6,019
	Class A	1,795,026	153,403		Global Water		
	National Fuel Gas Co		144,713		Resources Inc.	429,961	5,624
*	Stericycle Inc.	2,899,419	143,695	1	RGC Resources Inc.	254,995	5,187
	Portland General			*,1	Net Power Inc.	487,100	4,920
	Electric Co.	3,227,195	139,867	*	Quest Resource		
	New Jersey	0 007 407	100 710		Holding Corp.	558,617	4,095
	Resources Corp.	3,067,467	136,748	*,1	Cadiz Inc.	1,161,900	3,253
	Southwest Gas	0 107150	104 755	*	Perma-Fix		
*,1	Holdings Inc.	2,127,158	134,755		Environmental		
<u>, i</u>	Sunrun Inc.	6,468,884	126,984		Services Inc.	384,758	3,024
	Ormat	1 604 600	101 600	*,1	Aqua Metals Inc.	2,952,345	2,244
	Technologies Inc.	1,604,698	121,620	*	Advanced Emissions		
	Black Hills Corp.	2,191,346	118,223		Solutions Inc.	469,776	1,400
	PNM Resources Inc.		111,718		Via Renewables Inc.		
	ONE Gas Inc.	1,740,759	110,921		Class A	133,126	1,251
	ALLETE Inc.	1,810,125	110,707	*	Clean Energy		
	Northwestern Energy	,			Technologies Inc.	5,877	9
	Group Inc.	1,980,171	100,771	*	Vivakor Inc.	6,500	7
	Spire Inc.	1,564,013	97,501				38,324,782
	American States		0 4 0 7 0	T	0 0 1		00/02 1// 02
	Water Co.	1,169,730	94,070		Common Stocks		45 4 400 400
	California Water	1 000 704	00.004	(Cos	t \$697,129,605)	1	,454,196,493
	Service Group	1,808,764	93,821	Prefe	erred Stocks (0.0%)		
	Avista Corp.	2,411,770	86,197		Air T Funding Pfd.,		
	MGE Energy Inc.	1,149,589	83,127		8.000%, 6/7/24	956	16
	Avangrid Inc.	2,501,060	81,059	*,1,2	Next Bridge	550	10
	Chesapeake Utilities			, · , -	Hydrocarbons Inc.		
	Corp.	679,933	71,821		Preference Shares	1,763,201	_
						.,	

		Shares	Market Value• (\$000)
*,2	BTCS Inc. Preference Shares	280,193	
	Preferred Stocks t \$5,124)		16
Righ	ts (0.0%)		
*,1,2	Frequency Therapeutics Inc. CVR	1,246,700	2,469
*,1,2	Tobira Therapeutics Inc. CVR Exp. 12/31/28	201,001	911
*,1,2	Cartesian Therapeutics Inc. CVR	3,799,067	684
*,2	Spectrum Pharmaceuticals Inc. CVR	5,990,797	488
*,2	Imara Inc. CVR	370,003	463
*,2	Strongbridge Biopharma plc CVR	1,399,363	253
*,1	Groupon Inc. Exp. 1/17/24	698,916	239
*,1,2	Palisade Bio Inc. CVR	204,224	196
*,2	Ocera Therapeutics Inc. CVR	653,477	176
*,2	Surface Oncology Inc. CVR	1,709,153	161
*,2	Adamas Pharmaceuticals Inc. CVR	2,522,158	152
*,1,2	CinCor Pharma Inc. CVR	28,710	88
*,2	Gyre Therapeutics Inc. CVR	826,502	83
*,2	Aduro Biotech Inc. CVR	415,255	76
*,2 *,1,2	OncoMed Pharmaceuticals Inc. CVR	255,777	61
,1,2	Miragen Therapeutics Inc. CVR	1,753,041	35
*,2	Alexza Pharmaceuticals Inc. CVR	327,391	12
*,1,2	Oncternal Therapeutics Inc. CVR	8,933	9
*,2	F-star Therapeutics Inc. CVR	122,042	8
*,2	Dianthus Therapeutics Inc. CVR	1,432,921	7
*,2	Ambit Biosciences Corp. CVR	201,330	
	1 (F) (F) (F)		

		Shares	Market Value• (\$000)
*,2	Pineapple Energy Inc. CVR	69,639	_
*,2	ABIOMED Inc. CVR	264	—
*,1,2	Disc Medicine Inc. CVR	275,152	_
*,1,2	Sesen Bio Inc. CVR	6,822,627	_
*,2	Neurogene Inc. CVR	98,708	—
	Rights \$5,213)		6,571
Warra	ants (0.0%)		
*,2	Cassava Sciences Inc. Exp. 11/15/24	495,152	2,364
*	Geron Corp. Exp.	490,102	2,304
	12/31/25	1,202,419	487
*	Presidio Property Trust Inc. Exp. 1/24/27	110,319	7
*	Hycroft Mining Holding Corp. Exp. 10/6/25	155,000	5
*	LGL Group Inc. Exp. 12/16/25	2,391	1
*	Ayala Pharmaceuticals Inc. Exp. 9/11/24 SELLAS Life	157,660	_
*	Sciences Group Inc. Exp. 4/5/27 Athenex Inc. Exp.	40,000	_
	8/15/27	535,168	_
*,1,2	Imperalis Holding Corp. Exp. 4/13/28	1,503,700	
Total (Cost	Warrants \$9)		2,864

	Shares	Market Value• (\$000)
Temporary Cash Invest	ments (0.4%)	
Money Market Fund (0 4.5 Vanguard Market Liquidity Fund, 5.435% (Cost \$5,978,69		2 5,979,482
Total Investments (100. (Cost \$703,118,641)	.1%)	1,460,185,426
Other Assets and Liabilities—Net (-0.1%)		(1,643,962)
Net Assets (100%)		1,458,541,464
Cost is in \$000. • See Note A in Notes to Fina	ancial Statements.	

- * Non-income-producing security.
- 1 Includes partial security positions on loan to broker-dealers. The total value of securities on loan is \$3,088,263,000.
- 2 Security value determined using significant unobservable inputs.
- 3 Considered an affiliated company of the fund as the fund owns more than 5% of the outstanding voting securities of such company.
- 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 \$3,557,335,000 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 Russell 2000 Index	March 2024	4,453	455,920	32,365
E-mini S&P 500 Index	March 2024	11,234	2,707,394	8,382
E-mini S&P Mid-Cap 400 Index	March 2024	240	67,428	3,569
				44,316

Over-the-Counter Total Return Swaps

				Floating		
	Termination		Notional Amount	Interest Rate Received (Paid) ¹	Value and Unrealized Appreciation	
Reference Entity	Date	Counterparty	(\$000)	(/	(\$000)	(\$000)
Arbor Realty Trust Inc.	1/31/24	GSI	7,690	(5.331)		(112)
Citigroup Inc.	8/29/25	BANA	32,270	(5.932)	3,589	
Fidelity National Information Services Inc.	8/30/24	BANA	32,838	(5.882)	942	—
Fidelity National Information Services Inc.	8/30/24	BANA	32,838	(5.882)	942	_
Fidelity National Information Services Inc.	8/30/24	BANA	30,000	(5.976)	_	(40)
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	_
Global Payments Inc.	8/30/24	BANA	210,756	(5.932)	18,594	_
Goldman Sachs Group Inc.	8/29/25	BANA	290,651	(6.032)	38,617	_
Invesco Ltd.	8/30/24	BANA	3,996	(5.882)	1,037	_
Invesco Ltd.	8/30/24	BANA	856	(5.882)	222	_
Paycor HCM Inc.	1/31/24	CITNA	4,242	(5.332)	59	_
VICI Properties Inc. Class A	8/30/24	BANA	141,978	(5.982)	10,763	_
Visa Inc. Class A	8/30/24	BANA	57,753	(5.232)	708	
Visa Inc. Class A	8/30/24	BANA	51,336	(5.332)	625	_
Yum! Brands Inc.	8/30/24	BANA	21,971	(5.332)	909	
					80,293	(152)

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.

GSI-Goldman Sachs International.

At December 31, 2023, the counterparties had deposited in segregated accounts securities with a value of \$90,828,000 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 \$697,136,333)	1,454,203,653
Affiliated Issuers (Cost \$5,982,308)	5,981,773
Total Investments in Securities	1,460,185,426
Investment in Vanguard	45,961
Cash	34,993
Cash Collateral Pledged—Futures Contracts	155,110
Cash Collateral Pledged—Over-the-Counter Swap Contracts	60
Receivables for Investment Securities Sold	69,834
Receivables for Accrued Income	1,368,254
Receivables for Capital Shares Issued	1,101,323
Unrealized Appreciation—Over-the-Counter Swap Contracts	80,293
Total Assets	1,463,041,254
Liabilities	
Payables for Investment Securities Purchased	38,873
Collateral for Securities on Loan	3,557,335
Payables for Capital Shares Redeemed	871,000
Payables for Distributions	3
Payables to Vanguard	18,400
Variation Margin Payable—Futures Contracts	14,027
Unrealized Depreciation—Over-the-Counter Swap Contracts	152
Total Liabilities	4,499,790
Net Assets	1,458,541,464

1 Includes \$3,088,263,000 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	728,471,377
Total Distributable Earnings (Loss)	730,070,087
Net Assets	1,458,541,464
Investor Shares – Net Assets	
Applicable to 177,030,981 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	20,442,743
Net Asset Value Per Share—Investor Shares	\$115.48
ETF Shares—Net Assets	
Applicable to 1,466,627,292 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	347,955,269
Net Asset Value Per Share—ETF Shares	\$237.25
Admiral Shares—Net Assets	
Applicable to 2,947,229,792 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	340,379,287
Net Asset Value Per Share—Admiral Shares	\$115.49
Institutional Shares—Net Assets	
Applicable to 704,613,647 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	81,389,149
Net Asset Value Per Share—Institutional Shares	\$115.51
Institutional Plus Shares—Net Assets	
Applicable to 2,802,586,697 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	607,187,771
Net Asset Value Per Share—Institutional Plus Shares	\$216.65
Institutional Select Shares – Net Assets	
Applicable to 269,108,803 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	61,187,245
Net Asset Value Per Share—Institutional Select Shares	\$227.37

Total Stock Market Index Fund

Statement of Operations

	Year Ended December 31, 2023
	(\$000)
Investment Income	
Income	
Dividends—Unaffiliated Issuers ¹	20,631,366
Dividends—Affiliated Issuers	149
Interest—Unaffiliated Issuers	13,676
Interest—Affiliated Issuers	243,599
Securities Lending—Net	308,413
Total Income	21,197,203
Expenses	
The Vanguard Group—Note B	
Investment Advisory Services	32,625
Management and Administrative—Investor Shares	25,438
Management and Administrative—ETF Shares	67,204
Management and Administrative—Admiral Shares	101,815
Management and Administrative—Institutional Shares	18,148
Management and Administrative—Institutional Plus Shares	76,033
Management and Administrative—Institutional Select Shares	3,812
Marketing and Distribution—Investor Shares	1,054
Marketing and Distribution—ETF Shares	12,195
Marketing and Distribution—Admiral Shares	12,251
Marketing and Distribution—Institutional Shares	2,279
Marketing and Distribution—Institutional Plus Shares	14,384
Marketing and Distribution—Institutional Select Shares	101
Custodian Fees	1,876
Auditing Fees	253
Shareholders' Reports—Investor Shares	188
Shareholders' Reports—ETF Shares	3,033
Shareholders' Reports—Admiral Shares	1,239
Shareholders' Reports—Institutional Shares	64
Shareholders' Reports—Institutional Plus Shares	2,413
Shareholders' Reports—Institutional Select Shares	_
Trustees' Fees and Expenses	787
Interest Expense	_
Other Expenses	138
Total Expenses	377,330
Expenses Paid Indirectly	(8)
Net Expenses	377,322
Net Investment Income	20,819,881

Statement	of	Operations	(continued)
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	Year Ended December 31, 2023
	(\$000)
Realized Net Gain (Loss)	
Capital Gain Distributions Received—Affiliated Issuers	13
Investment Securities Sold—Unaffiliated Issuers ²	24,251,460
Investment Securities Sold—Affiliated Issuers ³	2,246
Futures Contracts	760,654
Swap Contracts	(23,641)
Realized Net Gain (Loss)	24,990,732
Change in Unrealized Appreciation (Depreciation)	
Investment Securities—Unaffiliated Issuers	256,421,058
Investment Securities—Affiliated Issuers	(2,621)
Futures Contracts	231,959
Swap Contracts	130,344
Change in Unrealized Appreciation (Depreciation)	256,780,740
Net Increase (Decrease) in Net Assets Resulting from Operations	302,591,353

1 Dividends are net of foreign withholding taxes of \$2,051,000.

2 Includes \$25,907,196,000 of net gain (loss) resulting from in-kind redemptions.

3 Includes \$582,000 of net gain (loss) resulting from in-kind redemptions.

Statement of Changes in Net Assets

	Year Ended December 31		
	2023 (\$000)	2022 (\$000)	
Increase (Decrease) in Net Assets			
Operations			
Net Investment Income	20,819,881	18,662,820	
Realized Net Gain (Loss)	24,990,732	5,664,235	
Change in Unrealized Appreciation (Depreciation)	256,780,740	(294,464,966)	
Net Increase (Decrease) in Net Assets Resulting from Operations	302,591,353	(270,137,911)	
Distributions			
Investor Shares	(289,384)	(284,794)	
ETF Shares	(4,851,485)	(4,187,918)	
Admiral Shares	(4,859,268)	(4,513,747)	
Institutional Shares	(1,178,824)	(1,107,318)	
Institutional Plus Shares	(8,827,594)	(7,915,118)	
Institutional Select Shares	(811,797)	(713,492)	
Total Distributions	(20,818,352)	(18,722,387)	
Capital Share Transactions			
Investor Shares	(2,239,443)	(104,300,286)	
ETF Shares	21,896,112	25,952,138	
Admiral Shares	(108,385)	4,099,576	
Institutional Shares	(1,318,438)	(155,304,571)	
Institutional Plus Shares	(188,430)	295,703,507	
Institutional Select Shares	5,800,564	2,223,565	
Net Increase (Decrease) from Capital Share Transactions	23,841,980	68,373,929	
Total Increase (Decrease)	305,614,981	(220,486,369)	
Net Assets			
Beginning of Period	1,152,926,483	1,373,412,852	
End of Period	1,458,541,464	1,152,926,483	

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

Investor Shares

For a Share Outstanding			Yea	ar Ended De	cember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$93.09	\$117.53	\$94.71	\$79.66	\$62.08
Investment Operations					
Net Investment Income ¹	1.536	1.335	1.284	1.284	1.279
Capital Gain Distributions Received	.0001,2	.0001,2	.0001,2	_	_
Net Realized and Unrealized Gain (Loss) on Investments	22.401	(24.344)	22.837	15.026	17.634
Total from Investment Operations	23.937	(23.009)	24.121	16.310	18.913
Distributions					
Dividends from Net Investment Income	(1.547)	(1.431)	(1.301)	(1.260)	(1.333)
Distributions from Realized Capital Gains	—	—	—	_	—
Total Distributions	(1.547)	(1.431)	(1.301)	(1.260)	(1.333)
Net Asset Value, End of Period	\$115.48	\$93.09	\$117.53	\$94.71	\$79.66
Total Return ³	25.89%	-19.60%	25.59%	20.87%	30.65%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$20,443	\$18,409	\$133,977	\$153,845	\$139,686
Ratio of Total Expenses to Average Net Assets	0.14%4	0.14%4	0.14%	0.14%	0.14%
Ratio of Net Investment Income to Average Net Assets	1.48%	1.28%	1.20%	1.62%	1.78%
Portfolio Turnover Rate ⁵	2%	3%	4%	8%	4%

1 Calculated based on average shares outstanding.

2 Distribution was less than \$.001 per share.

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 0.14%.

5 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.

ETF Shares

For a Share Outstanding	Year Ended December				cember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$191.25	\$241.49	\$194.61	\$163.70	\$127.56
Investment Operations					
Net Investment Income ¹	3.411	3.191	2.912	2.831	2.809
Capital Gain Distributions Received	.0001,2	.0001,2	.0001,2		_
Net Realized and Unrealized Gain (Loss) on Investments	46.002	(50.248)	46.898	30.848	36.236
Total from Investment Operations	49.413	(47.057)	49.810	33.679	39.045
Distributions					
Dividends from Net Investment Income	(3.413)	(3.183)	(2.930)	(2.769)	(2.905)
Distributions from Realized Capital Gains	_	_	—	—	_
Total Distributions	(3.413)	(3.183)	(2.930)	(2.769)	(2.905)
Net Asset Value, End of Period	\$237.25	\$191.25	\$241.49	\$194.61	\$163.70
Total Return	26.03%	-19.50%	25.72%	20.95%	30.80%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$347,955	\$261,084	\$299,088	\$202,075	\$138,067
Ratio of Total Expenses to Average Net Assets	0.03% ³	0.03% ³	0.03%	0.03%	0.03%
Ratio of Net Investment Income to Average Net Assets	1.60%	1.55%	1.31%	1.73%	1.89%
Portfolio Turnover Rate ⁴	2%	3%	4%	8%	4%

1 Calculated based on average shares outstanding.

2 Distribution was less than \$.001 per share.

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

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.

Admiral Shares

For a Share Outstanding	Year Ended Decer				cember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$93.10	\$117.56	\$94.74	\$79.69	\$62.09
Investment Operations					
Net Investment Income ¹	1.645	1.540	1.402	1.364	1.360
Capital Gain Distributions Received	.0001,2	.0001,2	.0001,2	_	_
Net Realized and Unrealized Gain (Loss) on Investments	22.396	(24.460)	22.833	15.025	17.646
Total from Investment Operations	24.041	(22.920)	24.235	16.389	19.006
Distributions					
Dividends from Net Investment Income	(1.651)	(1.540)	(1.415)	(1.339)	(1.406)
Distributions from Realized Capital Gains	_	—	—	_	—
Total Distributions	(1.651)	(1.540)	(1.415)	(1.339)	(1.406)
Net Asset Value, End of Period	\$115.49	\$93.10	\$117.56	\$94.74	\$79.69
Total Return ³	26.01%	-19.53%	25.71%	20.99%	30.80%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$340,379	\$274,489	\$341,733	\$273,622	\$252,536
Ratio of Total Expenses to Average Net Assets	0.04%4	0.04%4	0.04%	0.04%	0.04%
Ratio of Net Investment Income to Average Net Assets	1.59%	1.54%	1.30%	1.72%	1.88%
Portfolio Turnover Rate ⁵	2%	3%	4%	8%	4%

1 Calculated based on average shares outstanding.

2 Distribution was less than \$.001 per share.

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 0.04%.

5 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				
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$93.12	\$117.58	\$94.75	\$79.70	\$62.10
Investment Operations					
Net Investment Income ¹	1.655	1.497	1.416	1.374	1.365
Capital Gain Distributions Received	.0001,2	.0001,2	.0001,2	_	_
Net Realized and Unrealized Gain (Loss) on Investments	22.397	(24.407)	22.841	15.024	17.649
Total from Investment Operations	24.052	(22.910)	24.257	16.398	19.014
Distributions					
Dividends from Net Investment Income	(1.662)	(1.550)	(1.427)	(1.348)	(1.414)
Distributions from Realized Capital Gains	—	—	—	_	—
Total Distributions	(1.662)	(1.550)	(1.427)	(1.348)	(1.414)
Net Asset Value, End of Period	\$115.51	\$93.12	\$117.58	\$94.75	\$79.70
Total Return	26.02%	-19.51%	25.73%	21.00%	30.81%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$81,389	\$66,751	\$249,282	\$180,586	\$152,716
Ratio of Total Expenses to Average Net Assets	0.03% ³	0.03% ³	0.03%	0.03%	0.03%
Ratio of Net Investment Income to Average Net Assets	1.60%	1.46%	1.31%	1.73%	1.89%
Portfolio Turnover Rate ⁴	2%	3%	4%	8%	4%

1 Calculated based on average shares outstanding.

2 Distribution was less than \$.001 per share.

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

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.

Financial Highlights

Institutional Plus Shares

For a Share OutstandingYear Ended Dec					cember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$174.63	\$220.49	\$177.69	\$149.47	\$116.46
Investment Operations					
Net Investment Income ¹	3.123	2.960	2.672	2.591	2.575
Capital Gain Distributions Received	.0001,2	.0001,2	.0001,2	_	_
Net Realized and Unrealized Gain (Loss) on Investments	42.014	(45.906)	42.823	28.172	33.100
Total from Investment Operations	45.137	(42.946)	45.495	30.763	35.675
Distributions					
Dividends from Net Investment Income	(3.117)	(2.914)	(2.695)	(2.543)	(2.665)
Distributions from Realized Capital Gains	_	_	—	—	—
Total Distributions	(3.117)	(2.914)	(2.695)	(2.543)	(2.665)
Net Asset Value, End of Period	\$216.65	\$174.63	\$220.49	\$177.69	\$149.47
Total Return	26.03%	-19.51%	25.74%	21.02%	30.82%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$607,188	\$488,093	\$296,554	\$226,288	\$188,188
Ratio of Total Expenses to Average Net Assets	0.02% ³	0.02% ³	0.02%	0.02%	0.02%
Ratio of Net Investment Income to Average Net Assets	1.61%	1.59%	1.32%	1.74%	1.90%
Portfolio Turnover Rate ⁴	2%	3%	4%	8%	4%

1 Calculated based on average shares outstanding.

2 Distribution was less than \$.001 per share.

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

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.

Financial Highlights

Institutional Select Shares

For a Share Outstanding			Ye	ar Ended De	cember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$183.25	\$231.36	\$186.45	\$156.83	\$122.20
Investment Operations					
Net Investment Income ¹	3.312	3.093	2.821	2.772	2.709
Capital Gain Distributions Received	.0001,2	.0001,2	.0001,2	_	_
Net Realized and Unrealized Gain (Loss) on Investments	44.079	(48.139)	44.937	29.532	34.731
Total from Investment Operations	47.391	(45.046)	47.758	32.304	37.440
Distributions					
Dividends from Net Investment Income	(3.271)	(3.064)	(2.848)	(2.684)	(2.810)
Distributions from Realized Capital Gains	_	_	_	_	_
Total Distributions	(3.271)	(3.064)	(2.848)	(2.684)	(2.810)
Net Asset Value, End of Period	\$227.37	\$183.25	\$231.36	\$186.45	\$156.83
Total Return	26.05%	-19.50%	25.75%	21.03%	30.84%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$61,187	\$44,101	\$52,780	\$44,296	\$26,431
Ratio of Total Expenses to Average Net Assets	0.01% ³	0.01% ³	0.01%	0.01%	0.01%
Ratio of Net Investment Income to Average Net Assets	1.62%	1.57%	1.33%	1.76%	1.91%
Portfolio Turnover Rate ⁴	2%	3%	4%	8%	4%

1 Calculated based on average shares outstanding.

2 Distribution was less than \$.001 per share.

3 The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.01%.

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.

Notes to Financial Statements

Vanguard Total Stock Market Index Fund is registered under the Investment Company Act of 1940 as an open-end investment company, or mutual fund. The fund offers six classes of shares: Investor Shares, ETF Shares, Admiral Shares, Institutional Shares, Institutional Plus Shares, and Institutional Select Shares. 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 Montgomery 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 imposes initial margin requirements to secure the fund's performance and requires daily settlement of variation margin representing changes in the market value of each contract. Any securities pledged as initial 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 pregualified 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 pregualified 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 Interfund Lending Program.

The fund made one borrowing from the uncommitted credit facility provided by Vanguard in the amount of \$1,000,000 to test the operational readiness of the process. The borrowing was outstanding for one business day at an annualized rate of 6.16%, and the related interest expense of less than \$500 is recorded in the Statement of Operations. At December 31, 2023, the fund had no borrowings outstanding.

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 \$45,961,000, representing less than 0.01% of the fund's net assets and 18.38% 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)
1,454,190,053	_	6,440	1,454,196,493
16	_	_	16
_	239	6,332	6,571
13	487	2,364	2,864
5,979,482	_	_	5,979,482
1,460,169,564	726	15,136	1,460,185,426
i			
44,316	_		44,316
_	80,293	_	80,293
44,316	80,293	_	124,609
_	152		152
	(\$000) 1,454,190,053 16 — 13 5,979,482 1,460,169,564 44,316 —	(\$000) (\$000) 1,454,190,053 — 16 — 239 13 487 5,979,482 — 1,460,169,564 726 44,316 — 44,316 — 80,293 44,316 80,293	(\$000) (\$000) (\$000) 1,454,190,053 6,440 16 239 6,332 13 487 2,364 5,979,482 1,460,169,564 726 15,136 44,316 44,316 80,293

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	25,908,235
Total Distributable Earnings (Loss)	(25,908,235)

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	860,016
Undistributed Long-Term Gains	-
Net Unrealized Gains (Losses)	754,330,507
Capital Loss Carryforwards	(25,120,436)
Qualified Late-Year Losses	—
Other Temporary Differences	—
Total	730,070,087

The tax character of distributions paid was as follows:

	Year Ended	December 31,
Ordinany Income*	2023 Amount (\$000)	2022 Amount (\$000)
Ordinary Income*	20,818,352	18,722,387
Long-Term Capital Gains	_	_
Total	20,818,352	18,722,387

* 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	705,854,919
Gross Unrealized Appreciation	804,253,337
Gross Unrealized Depreciation	(49,922,830)
Net Unrealized Appreciation (Depreciation)	754,330,507

F. During the year ended December 31, 2023, the fund purchased \$91,161,813,000 of investment securities and sold \$61,460,229,000 of investment securities, other than temporary cash investments. Purchases and sales include \$33,362,418,000 and \$32,557,413,000, 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 \$2,961,999,000 and sales were \$1,518,339,000, resulting in net realized loss of \$269,584,000; 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 Decemb				
		2023				
	Amount (\$000)	Shares (000)	Amount (\$000)	Shares (000)		
Investor Shares						
Issued	317,778	3,167	3,914,517	36,574		
Issued in Lieu of Cash Distributions	289,384	2,758	284,794	2,978		
Redeemed	(2,846,605)	(26,651)	(108,499,597)	(981,740)		
Net Increase (Decrease)—Investor Shares	(2,239,443)	(20,726)	(104,300,286)	(942,188)		
ETF Shares						
Issued	52,502,894	241,918	50,798,717	249,707		
Issued in Lieu of Cash Distributions	_	_	_	_		
Redeemed	(30,606,782)	(140,400)	(24,846,579)	(123,100)		
Net Increase (Decrease)—ETF Shares	21,896,112	101,518	25,952,138	126,607		
Admiral Shares						
Issued	26,313,081	254,268	31,898,755	317,329		
Issued in Lieu of Cash Distributions	4,050,962	38,521	3,762,619	39,309		
Redeemed	(30,472,428)	(293,822)	(31,561,798)	(315,336)		
Net Increase (Decrease)—Admiral Shares	(108,385)	(1,033)	4,099,576	41,302		

	Year Ended December				
		2022			
	Amount (\$000)	Shares (000)	Amount (\$000)	Shares (000)	
Institutional Shares					
Issued	7,372,614	71,232	9,249,702	92,024	
Issued in Lieu of Cash Distributions	949,403	9,031	903,770	9,433	
Redeemed	(9,640,455)	(92,509)	(165,458,043)	(1,504,789)	
Net Increase (Decrease)—Institutional Shares	(1,318,438)	(12,246)	(155,304,571)	(1,403,332)	
Institutional Plus Shares					
Issued	35,342,057	188,265	320,489,415	1,582,401	
Issued in Lieu of Cash Distributions	8,750,147	44,372	7,850,659	43,753	
Redeemed	(44,280,634)	(224,992)	(32,636,567)	(176,178)	
Net Increase (Decrease)—Institutional Plus Shares	(188,430)	7,645	295,703,507	1,449,976	
Institutional Select Shares					
Issued	15,363,880	73,855	6,711,633	34,640	
Issued in Lieu of Cash Distributions	811,797	3,913	713,492	3,786	
Redeemed	(10,375,113)	(49,312)	(5,201,560)	(25,901)	
Net Increase (Decrease)—Institutional Select Shares	5,800,564	28,456	2,223,565	12,525	

H. Certain of the fund's investments are in companies that are considered to be affiliated companies of the fund because the fund owns more than 5% of the outstanding voting securities of the company or the issuer is another member of The Vanguard Group. Transactions during the period in securities of these companies were as follows:

			Current Period Transactions					
	, .	Purchases	Proceeds from Securities	Realized Net Gain	Unrealized		Capital Gain Distributions	Dec. 31, 2023
	Market Value (\$000)	at Cost (\$000)	Sold (\$000)	(Loss) (\$000)	App. (Dep.) (\$000)	Income (\$000)	Received (\$000)	Market Value (\$000)
1895 Bancorp of Wisconsin Inc.	NA ¹	74	25	(12)	(1,029)	_	_	2,291
Franklin Financial Services Corp.	NA ¹	6,573	4,827	582	271	149	_	NA ²
Vanguard Market Liquidity Fund	10,588,790	NA3	NA3	³ 1,676	(1,863)	243,599	13	5,979,482
Total	10,588,790	6,647	4,852	2,246	(2,621)	243,748	13	5,981,773

1 Not applicable—at December 31, 2022, the issuer was not an affiliated company of the fund.

2 Not applicable—at December 31, 2023, the security was still held, but the issuer was no longer an affiliated company of the fund.

3 Not applicable—purchases and sales are for temporary cash investment purposes.

I. 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.

J. 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 Total Stock Market Index Fund

Opinion on the Financial Statements

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of Vanguard Total Stock Market Index Fund (one of the funds constituting Vanguard Index Funds, referred to hereafter as the "Fund") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statement 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 the Fund as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the five years in the period ended December 31, 2023 and 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 Opinion

These financial statements are the responsibility of the Fund's management. Our responsibility is to express an opinion on the Fund's 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 Fund 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 opinion.

/s/PricewaterhouseCoopers LLP Philadelphia, Pennsylvania February 16, 2024

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

Tax information (unaudited)

For corporate shareholders, 88.3%, or if subsequently determined to be different, the maximum percentage allowable by law, of ordinary income (dividend income plus short-term gains, if any) for the fiscal year qualified for the dividends-received deduction.

The fund hereby designates \$19,710,816,000, or if subsequently determined to be different, the maximum amount allowable by law, as qualified dividend income for individual shareholders for the fiscal year.

The fund hereby designates \$97,469,000, or if subsequently determined to be different, the maximum amount allowable by law, of interest earned from obligations of the U.S. government which is generally exempt from state income tax.

The fund hereby designates \$1,107,536,000, or if subsequently determined to be different, the maximum amount allowable by law, of qualified business income for individual shareholders for the fiscal year.

The CRSP US Total Market Index (the "Index") is a product of the Center for Research in Security Prices, LLC ("CRSP"), an affiliate of the University of Chicago ("University"), and has 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. The Vanguard Total Stock Market Index Fund is not sponsored, endorsed, sold or promoted by CRSP or University. Neither CRSP nor University makes any representation or warranty, express or implied, to the owners of the Vanguard Total Stock Market Index Fund or any member of the public regarding the advisability of investing in securities generally or in Vanguard Total Stock Market Index Fund particularly or the ability of the Index to track general market performance. The Index is determined, composed and calculated without regard to Vanguard or the Vanguard Total Stock Market Index Fund. Neither CRSP nor the University has any obligation to take the needs of Vanguard or the owners of Vanguard Total Stock Market Index Fund into consideration in determining, composing or calculating the Index. Neither CRSP nor the University is responsible for and has not participated in the determination of the prices and amount of Vanguard Total Stock Market Index Fund or the timing of the issuance or sale of Vanguard Total Stock Market Index Fund or in the determination or calculation of the equation by which Vanguard Total Stock Market Index Fund is to be converted into cash, surrendered or redeemed, as the case may be. Neither CRSP nor the University has any obligation or liability in connection with the administration, marketing or trading of Vanguard Total Stock Market Index Fund. There is no assurance that investment products based on the Index will accurately track index performance or provide positive investment returns. Neither CRSP nor the University is an investment advisor. Inclusion of a security within an index is not a recommendation by CRSP or the University to buy, sell, or hold such security, nor is it considered to be investment advice.

NEITHER CRSP NOR THE UNIVERSITY GUARANTEE THE ADEQUACY, ACCURACY, TIMELINESS AND/OR THE COMPLETENESS OF THE INDEX 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 THE VANGUARD TOTAL STOCK MARKET INDEX FUND, OR ANY OTHER PERSON OR ENTITY FROM THE USE OF THE INDEX 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 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.

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 P.O. Box 876, Valley Forge, PA 19482. More information about the trustees is in the *Statement of Additional Information*, which can be obtained, without charge, by contacting Vanguard at 800-662-7447, or online at vanguard.com.

Interested Trustee¹

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.

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

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

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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.

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