# **Annual Report**

Deutsche DWS Investments VIT Funds

**DWS Small Cap Index VIP** 



### **Contents**

- 3 Performance Summary
- 4 Management Summary
- **5** Portfolio Summary
- 6 Investment Portfolio
- 31 Statement of Assets and Liabilities
- 31 Statement of Operations
- 32 Statements of Changes in Net Assets
- 33 Financial Highlights
- **35** Notes to Financial Statements
- 41 Report of Independent Registered Public Accounting Firm
- **42** Other Information
- 43 Information About Your Fund's Expenses
- **44** Tax Information
- **44** Proxy Voting
- **45** Advisory Agreement Board Considerations and Fee Evaluation
- 48 Board Members and Officers

This report must be preceded or accompanied by a prospectus. To obtain an additional prospectus or summary prospectus, if available, call (800) 728-3337 or your financial representative. We advise you to consider the Fund's objectives, risks, charges and expenses carefully before investing. The summary prospectus and prospectus contain this and other important information about the Fund. Please read the prospectus carefully before you invest.

Stocks may decline in value. Various factors, including costs, cash flows and security selection, may cause the Fund's performance to differ from that of the index. Smaller company stocks tend to be more volatile than medium-sized or large company stocks. The Fund may lend securities to approved institutions. Investing in derivatives entails special risks relating to liquidity, leverage and credit that may reduce returns and/or increase volatility. Please read the prospectus for details.

War, terrorism, sanctions, economic uncertainty, trade disputes, public health crises, natural disasters, climate change and related geopolitical events have led and, in the future, may lead to significant disruptions in U.S. and world economies and markets, which may lead to increased market volatility and may have significant adverse effects on the Fund and its investments.

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## **Performance Summary**

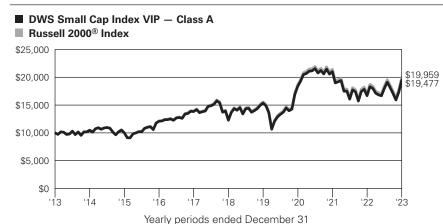
#### December 31, 2023 (Unaudited)

Fund performance shown is historical, assumes reinvestment of all dividend and capital gain distributions, and does not guarantee future results. Investment return and principal value fluctuate with changing market conditions so that, when redeemed, shares may be worth more or less than their original cost. Current performance may be lower or higher than the performance data quoted. Please contact your participating insurance company for the Fund's most recent monthend performance. Performance figures for Classes A and B differ because each class maintains a distinct expense structure. Performance does not reflect charges and fees ("contract charges") associated with the separate account that invests in the Fund or any variable life insurance policy or variable annuity contract for which the Fund is an investment option. These charges and fees will reduce returns.

The gross expense ratios of the Fund, as stated in the fee table of each prospectus dated May 1, 2023 are 0.42% and 0.72% for Class A and Class B shares, respectively, and may differ from the expense ratios disclosed in the Financial Highlights tables in this report.

Generally accepted accounting principles require adjustments to be made to the net assets of the Fund at period end for financial reporting purposes only, and as such, the total return based on the unadjusted net asset value per share may differ from the total return reported in the financial highlights.

#### Growth of an Assumed \$10,000 Investment



Russell 2000® Index is an unmanaged, capitalization-weighted measure of approximately 2,000 of the smallest companies in the Russell 3000® Index.

The Russell 3000® Index is an unmanaged index that measures the performance of the 3,000 largest U.S. companies based on total market capitalization, which represents approximately 98% of the investable U.S. equity market.

Index returns do not reflect any fees or expenses and it is not possible to invest directly into an index.

#### **Comparative Results**

DWS Small Cap Index VIP		1-Year	3-Year	5-Year	10-Year
Class A	Growth of \$10,000	\$11,676	\$10,610	\$15,868	\$19,477
	Average annual total return	16.76%	1.99%	9.67%	6.89%
Russell 2000 Index	Growth of \$10,000		\$19,959		
	Average annual total return	16.93%	2.22%	9.97%	7.16%
DWS Small Cap Index VIP		1-Year	3-Year	5-Year	10-Year
Class B	Growth of \$10,000	\$11,633	\$10,508	\$15,627	\$18,939
	Average annual total return	16.33%	1.67%	9.34%	6.59%
Russell 2000 Index	Growth of \$10,000	\$11,693	\$10,682	\$16,085	\$19,959
	Average annual total return	16.93%	2.22%	9.97%	7.16%

The growth of \$10,000 is cumulative.

### **Management Summary**

#### December 31, 2023 (Unaudited)

The Fund returned 16.76% (Class A shares, unadjusted for contract charges) for the 12 months ended December 31, 2023, while the Russell 2000® Index returned 16.93%. The difference in performance is typically driven by transaction costs and Fund expenses. The Fund periodically invests in equity index futures in order to keep the portfolio's positioning in line with that of the index. This strategy had a neutral impact on performance.

U.S. equities delivered positive returns in 2023, with much of the gain occurring in November and December. For most of the year, the market experienced volatility based on the shifting expectations for economic growth and U.S. Federal Reserve (Fed) policy. However, a drop in oil prices and a series of better-than-expected inflation reports contributed to a sizable rebound in investor sentiment in November. Stocks surged in response, and the rally accelerated in December after Fed Chairman Jerome Powell suggested that the Fed may begin to cut rates as soon as the first half of 2024. Additionally, positive growth data led to mounting optimism that the U.S. economy could avoid a recession.

The Russell 2000 Index underperformed the 26.53% return for the large-cap Russell 1000® Index in 2023. Small caps are more likely to require capital than established firms, so the prospect of higher rates was a headwind for relative performance over the first ten months of the year. However, smaller companies strongly outperformed from the beginning of November onward once concerns about the interest-rate outlook began to dissipate.

Although growth stocks outpaced their value counterparts in the large-caps space — a result of outsized returns for a narrow group of technology-related stocks — the performance of the two categories was much closer within the small-cap universe. The Russell 2000® Growth Index returned 18.66% for the year, while the Russell 2000® Value Index gained 14.65%.

Ten of the 11 sectors in the Russell 2000 Index produced gains in 2023. Utilities, which were hurt by their above-average interest rate sensitivity, was the only sector to finish in the red. However, the impact on headline index returns was limited due to the sector's modest weighting. Consumer discretionary, information technology, and industrials were the three top-performing sectors. Given that the economy held up better than investors had anticipated at the start of the year, the more economically sensitive segments of the market generally led the way higher. Consumer staples was the only other sector to outperform the index, with a sizable contribution coming from strength in food & beverage companies. Materials stocks, while also benefiting from better-than-expected economic growth, finished just behind the index. Real estate also lagged somewhat in the rising-rate environment, but the sector closed well off of its October lows on the strength of an impressive rally in the final two months of the year. The financials, energy, communication services, and healthcare sectors, while finishing the year firmly in positive territory, also failed to keep pace with the broader market.

#### Brent Reeder

Senior Vice President, Northern Trust Investments, Inc., Subadvisor to the Fund Portfolio Manager

The views expressed reflect those of the portfolio management team only through the end of the period of the report as stated on the cover. The management team's views are subject to change at any time based on market and other conditions and should not be construed as a recommendation. Past performance is no guarantee of future results. Current and future portfolio holdings are subject to risk.

#### **Terms to Know**

The **Russell 2000 Index** is an unmanaged, capitalization-weighted measure of approximately 2,000 of the smallest companies in the Russell 3000® Index. The Russell 3000 Index is an unmanaged index that measures the performance of the 3,000 largest U.S. companies based on total market capitalization, which represents approximately 98% of the investable U.S. equity market.

The **Russell 1000 Index** is an unmanaged index that measures the performance of the 1,000 largest companies in the Russell 3000 Index, which represents approximately 92% of the total market capitalization of the Russell 3000 Index.

The **Russell 2000 Growth Index** is an unmanaged capitalization-weighted measure of 2,000 of the smallest capitalized U.S. companies with a greater-than-average growth orientation and whose common stocks trade on the NYSE, NYSE Alternext U.S. (formerly known as "AMEX") and NASDAQ.

The **Russell 2000 Value Index** is an unmanaged index that measures the performance of the small-cap value segment of the U.S. equity universe.

Index returns do not reflect any fees or expenses and it is not possible to invest directly into an index.

Futures contracts are contractual agreements to buy or sell a particular commodity or financial instrument at a predetermined price in the future.

**Consumer discretionary** stocks represent companies that make and market goods and services that are considered non-essential. Sub-categories within the consumer discretionary sector include retailers, media, consumer services, consumer durables & apparel, and automobiles.

**Consumer staples** stocks represent companies that make products purchased by consumers on a regular basis, such as food and beverages, prescription drugs, and household products. In the aggregate, sales of consumer staples tend to be steady and less sensitive to economic fluctuations.

# **Portfolio Summary**

(Unaudited)

Asset Allocation (As a % of Investment Portfolio excluding Securities Lending Collateral)	12/31/23	12/31/2
Common Stocks	98%	97%
Cash Equivalents	2%	39
Government & Agency Obligations	0%	09
Varrants	0%	_
lights	0%	0%
mon Stocks h Equivalents ernment & Agency Obligations rants its er Investments  ctor Diversification (As a % of Common Stocks, Rights and Warrants) ncials istrials lith Care rmation Technology sumer Discretionary rgy I Estate erials sumer Staples ties imunication Services  Largest Equity Holdings at December 31, 2023 (3.2% of Net Assets) Super Micro Computer, Inc. Designs, develops, manufactures and sells server solutions based on modular and open-standard are Simpson Manufacturing Co., Inc. Designs, engineers, manufactures connectors and sheer walls  Cytokinetics, Inc. Deperates as a clinical stage biopharmaceutical company lift Beauty, Inc. Deperates as a cosmetic company and offers products for eyes, lips, and face MicroStrategy, Inc. Provider of enterprise software platforms around the world  JFP Industries, Inc.	0%	0%
	100%	100%
Sector Diversification (As a % of Common Stocks, Rights and Warrants)	12/31/23	12/31/2
inancials	17%	17%
ndustrials	17%	16%
ealth Care	15%	17%
	14%	13%
67	11%	10%
nergy	7%	7%
	6%	6%
	5%	
		49
	3%	49
tilities	3%	39
ommunication Services	2%	39
	100%	100%
1 Super Micro Computer, Inc. Designs, develops, manufactures and sells server solutions based on modular and open-standard an	rchitecture	0.5%
2 Simpson Manufacturing Co., Inc. Designs, engineers, manufactures connectors and sheer walls		0.3%
3 Cytokinetics, Inc. Operates as a clinical stage biopharmaceutical company		0.3%
4 elf Beauty, Inc. Operates as a cosmetic company and offers products for eyes, lips, and face		0.3%
5 MicroStrategy, Inc. Provider of enterprise software platforms around the world		0.3%
6 UFP Industries, Inc. Designs, manufactures, and markets wood and non-wood composites, and other materials		0.3%
7 Light & Wonder, Inc. Provider of gaming and lottery services		0.3%
8 Onto Innovation, Inc. Manufacturer of film thickness and overlay metrology systems		0.3%
9 Rambus, Inc. Manufacturer of semiconductor equipment		0.3%
0 Comfort Systems U.S.A., Inc.		
Provider of heating, ventiliation, and air conditioning system installation, maintenance, repair, and re	placement services	0.3%

Portfolio holdings and characteristics are subject to change.

For more complete details about the Fund's investment portfolio, see page 6.

Following the Fund's fiscal first and third quarter-end, a complete portfolio holdings listing is posted on dws.com and is available free of charge by contacting your financial intermediary or, if you are a direct investor, by calling (800) 728-3337. In addition, the portfolio holdings listing is filed with the SEC on the Fund's Form N-PORT and will be available on the SEC's Web site at sec.gov. Additional portfolio holdings for the Fund are also posted on dws.com from time to time. Please see the Fund's current prospectus for more information.

_	Shares	Value (\$)	_	Shares	Value (\$)
Common Stocks 98.3%			Grindr, Inc.*	6,336	55,630
<b>Communication Services</b>	2.3%		MediaAlpha, Inc. "A"*	3,357	37,430
Diversified Telecommunication	Sarvinas 0 E%		Nextdoor Holdings, Inc.*	22,740	42,979
Anterix, Inc.*	2,031	67,673	Outbrain, Inc.*	6,599	28,904
AST SpaceMobile, Inc.* (a)	12.456	75,110	QuinStreet, Inc.*	7,972	102,201
ATN International, Inc.	1,692	65,937	Shutterstock, Inc.	3,781	182,547
Bandwidth, Inc. "A"*	3,708	53,655	System1, Inc.* (a)	3,923	8,709
Charge Enterprises, Inc.*	18,975	2,165	TrueCar, Inc.*	14,471	50,070
Cogent Communications	10,070	2,100	Vimeo, Inc.*	23,539	92,273
Holdings, Inc.	6,645	505,419	Yelp, Inc.*	10,096	477,945
Consolidated			Ziff Davis, Inc.*	7,027	472,144
Communications			ZipRecruiter, Inc. "A"*	10,314	143,365
Holdings, Inc.*	11,043	48,037			2,765,507
EchoStar Corp. "A"*	18,555	307,456	Media 0.6%		
Globalstar, Inc.*	107,783	209,099	Advantage Solutions, Inc.*	12,640	45,757
IDT Corp. "B"*	2,365	80,623	AMC Networks, Inc. "A"*	4,794	90,079
Liberty Latin America Ltd. "A"*	F 222	20.100	Boston Omaha Corp. "A"*	3,508	55,181
	5,223	38,180	Cardlytics, Inc.*	5,660	52.129
Liberty Latin America Ltd. "C"*	21,068	154.639	Clear Channel Outdoor	0,000	02,120
Lumen Technologies, Inc.*	153,186	280,330	Holdings, Inc.*	55,033	100,160
Ooma, Inc.*	3,495	37,501	Daily Journal Corp.*	215	73,276
Shenandoah	3,433	37,301	Emerald Holding, Inc.*	2,534	15,153
Telecommunications Co.	7,395	159,880	Entravision Communications		
	. –	2,085,704	Corp. "A"	9,050	37,738
		2,005,704	Gambling.com Group Ltd.*	2,214	21,586
Entertainment 0.4%			Gannett Co., Inc.*	21,472	49,386
Atlanta Braves Holdings, Inc. "A"*	1 5 4 2	65,967	Gray Television, Inc.	12,982	116,319
Atlanta Braves Holdings, Inc.	1,542	05,907	iHeartMedia, Inc. "A"*	16,153	43,128
"C"*	6,853	271,242	Integral Ad Science Holding	7.455	407.077
Cinemark Holdings, Inc.*	16,930	238,544	Corp.*	7,455	107,277
IMAX Corp.*	7,000	105,140	John Wiley & Sons, Inc. "A"	5,536	175,713
Lions Gate Entertainment	,	,	Magnite, Inc.*	20,605	192,451
Corp. "A"*	8,765	95,538	PubMatic, Inc. "A"*	6,573	107,206
Lions Gate Entertainment			Scholastic Corp.	4,062	153,137
Corp. "B"*	18,478	188,291	Sinclair, Inc.	5,062	65,958
Loop Media, Inc.*	5,963	5,963	Stagwell, Inc.*	11,610	76,974
Madison Square Garden	0.004	101 001	TechTarget, Inc.* TEGNA, Inc.	3,967 31,038	138,290 474,881
Entertainment Corp.*	6,034	191,821	The E.W. Scripps Co. "A"*	8,932	71,367
Marcus Corp.	3,636	53,013	1.1		
Playstudios, Inc.*	11,890	32,222	Thryv Holdings, Inc.* Townsquare Media, Inc. "A"	4,665 1,880	94,933 19,853
Reservoir Media, Inc.*	2,965	21,140	Urban One, Inc.*	2,940	10,974
Sphere Entertainment Co.* Vivid Seats, Inc. "A"*	4,032 3,798	136,927	WideOpenWest, Inc.*	7,173	29,051
vivia Seats, IIIC. A	3,790 _	24,003	vvideopenvest, me.	7,175	
		1,429,811			2,417,957
Interactive Media & Services 0	.7%		Wireless Telecommunication Se		
Bumble, Inc. "A"*	15,380	226,701	Gogo, Inc.*	10,364	104,988
Cargurus, Inc.*	14,870	359,259	Spok Holdings, Inc.	2,792	43,220
Cars.com, Inc.*	10,129	192,147	Telephone & Data Systems,	15.000	070 075
DHI Group, Inc.*	6,256	16,203	Inc.	15,203	278,975
Eventbrite, Inc. "A"*	11,807	98,706	Tingo Group, Inc.* (a) (b)	19,275	0
EverQuote, Inc. "A"*	3,269	40,012			427,183
fuboTV, Inc.*	43,485	138,282			

	Shares	Value (\$)		Shares	Value (\$)
Consumer Discretionary 10.8	3%		Laureate Education, Inc. Lincoln Educational Services	19,890	272,692
Automobile Components 1.3%			Corp.*	3,858	38,734
Adient PLC*	14,267	518,748	Nerdy, Inc.*	9,102	31,220
American Axle &			OneSpaWorld Holdings	5,	,
Manufacturing Holdings,	17 415	150 400	Ltd.*	12,845	181,114
Inc.*	17,415	153,426	Perdoceo Education Corp.	9,911	174,037
Atmus Filtration Technologies, Inc.* (a)	2,582	60,651	Rover Group, Inc.*	14,089	153,288
Cooper-Standard Holdings,	2,002	00,001	Strategic Education, Inc.	3,472	320,709
Inc.*	2,694	52,641	Stride, Inc.*	6,496	385,667
Dana, Inc.	19,792	289,161	Udemy, Inc.*	13,383	197,132
Dorman Products, Inc.*	4,047	337,560	Universal Technical Institute,		
Fox Factory Holding Corp.*	6,548	441,859	Inc.*	4,804	60,146
Gentherm, Inc.*	4,973	260,386	WW International, Inc.*	8,087	70,761
Goodyear Tire & Rubber					4,784,171
Co.*	43,124	617,536	Hotels, Restaurants & Leisure 2.2	0/0	
Holley, Inc.*	7,454	36,301	Accel Entertainment, Inc.*	8,256	84,789
LCI Industries	3,780	475,184	Bally's Corp.*	4,655	64,891
Luminar Technologies,			Biglari Holdings, Inc. "B"*	123	20,286
Inc.* (a)	41,952	141,378	BJ's Restaurants, Inc.*	3,526	126,971
Modine Manufacturing Co.*	7,887	470,854	Bloomin' Brands, Inc.	13,290	374,113
Patrick Industries, Inc.	3,239	325,034	Bluegreen Vacations Holding	13,230	374,113
Solid Power, Inc.*	24,416	35,403	Corp.	1,654	124,248
Standard Motor Products,			Bowlero Corp. "A"* (a)	2,479	35,103
Inc.	3,074	122,376	Brinker International, Inc.*	6,683	288,572
Stoneridge, Inc.*	3,963	77,556	Carrols Restaurant Group,	5,555	
Visteon Corp.*	4,180	522,082	Inc.	5,740	45,231
XPEL, Inc.*	3,431 _	184,760	Century Casinos, Inc.*	4,231	20,647
		5,122,896	Chuy's Holdings, Inc.*	2,792	106,738
Automobiles 0.1%			Cracker Barrel Old Country		
Fisker, Inc.* (a)	29,855	52,246	Store, Inc.	3,384	260,839
Livewire Group, Inc.* (a)	2,875	32,516	Dave & Buster's		
Winnebago Industries, Inc.	4,375	318,850	Entertainment, Inc.*	5,563	299,567
Workhorse Group, Inc.* (a)	22,404	8,066	Denny's Corp.*	7,482	81,404
Tremmeree Greap, me. (a)		411,678	Dine Brands Global, Inc.	2,389	118,614
		411,678	El Pollo Loco Holdings, Inc.*	4,363	38,482
Broadline Retail 0.1%			Empire Resorts, Inc.* (b)	587	0
Big Lots, Inc. (a)	4,709	36,683	Everi Holdings, Inc.*	12,753	143,726
ContextLogic, Inc. "A"*	3,478	20,694	First Watch Restaurant	0.400	60.040
Dillard's, Inc. "A" (a)	526	212,320	Group, Inc.*	3,430	68,943
Savers Value Village, Inc.*	3,789	65,853	Full House Resorts, Inc.*	5,234	28,107
		335,550	Global Business Travel Group  I*	5,055	32,605
Distributors 0.0%			Golden Entertainment, Inc.	3,127	124,861
Weyco Group, Inc.	947	29,698	Hilton Grand Vacations, Inc.*	12,190	489,794
,		_0,000	Inspired Entertainment,	/	1007701
Diversified Consumer Services 1.2		10.040	Inc.*	3,227	31,883
2U, Inc.*	10,847	13,342	International Game		
Adtalem Global Education, Inc.*	6,045	356,353	Technology PLC	16,670	456,925
Carriage Services, Inc.	2,062	51,571	Jack in the Box, Inc.	3,052	249,135
Carriage Services, Inc. Chegg, Inc.*	17,344	197,028	Krispy Kreme, Inc.	13,405	202,281
Coursera, Inc.*	17,344	386,412	Kura Sushi USA, Inc. "A"*	900	68,400
Duolingo, Inc.*	4,455	1,010,617	Life Time Group Holdings,		
European Wax Center, Inc.	4,400	1,010,017	Inc.*	6,871	103,615
"A"*	5,238	71,184	Light & Wonder, Inc.*	13,896	1,141,001
Frontdoor, Inc.*	12,341	434,650	Lindblad Expeditions	E 454	04 400
Graham Holdings Co. "B"	542	377,514	Holdings, Inc.*	5,451	61,433
	J				

_	Shares	Value (\$)		Shares	Value (\$)
Monarch Casino & Resort,			Meritage Homes Corp.	5,561	968,726
Inc.	2,044	141,343	Purple Innovation, Inc.	7,384	7,605
Mondee Holdings, Inc.* (a)	7,030	19,403	Skyline Champion Corp.*	8,219	610,343
Nathan's Famous, Inc.	408	31,828	Snap One Holdings Corp.*	2,554	22,756
Noodles & Co.*	6,217	19,583	Sonos, Inc.*	19,557	335,207
Papa John's International,			Taylor Morrison Home		
Inc.	5,044	384,504	Corp.*	15,809	843,410
PlayAGS, Inc.*	5,724	48,253	Traeger, Inc.*	5,469	14,930
Portillo's, Inc. "A"*	6,985	111,271	Tri Pointe Home, Inc.*	14,650	518,610
Potbelly Corp.*	4,050	42,201	United Homes Group,		
RCI Hospitality Holdings,			Inc.* (a)	896	7,553
Inc.	1,342	88,921	Vizio Holding Corp. "A"*	11,680	89,936
Red Robin Gourmet Burgers,			VOXX International Corp.*	1,679	17,932
Inc.* (a)	2,485	30,988	Worthington Enterprises,		
Red Rock Resorts, Inc. "A"	7,187	383,283	Inc.	4,733	272,384
Rush Street Interactive,	0.070	4.4.000			9,255,487
Inc.*	9,873	44,330	D 1 0 40/		-,,
Sabre Corp.*	50,869	223,824	Leisure Products 0.4%	4.705	000 110
SeaWorld Entertainment,	F F2F	202 414	Acushnet Holdings Corp.	4,735	299,110
Inc.*	5,535	292,414	AMMO, Inc.*	13,274	27,875
Shake Shack, Inc. "A"*	5,714	423,522	Clarus Corp.	4,834	33,330
Six Flags Entertainment	11 101	070 410	Escalade, Inc.	1,376	27,644
Corp.*	11,101	278,413	Funko, Inc. "A"*	5,568	43,041
Super Group SGHC Ltd.*	21,111	66,922	JAKKS Pacific, Inc.*	1,093	38,856
Sweetgreen, Inc. "A"*	14,867	167,997	Johnson Outdoors, Inc. "A"	866	46,262
Target Hospitality Corp.*	4,840	47,093	Latham Group, Inc.*	5,015	13,189
The Cheesecake Factory,	7.405	000 000	Malibu Boats, Inc. "A"*	3,112	170,600
Inc.	7,435	260,299	Marine Products Corp.	1,019	11,617
The ONE Group Hospitality, Inc.*	3,589	21,965	MasterCraft Boat Holdings,		
Xponential Fitness, Inc. "A"*	3,835	49,433	Inc.*	2,486	56,283
Aponential Fittless, Inc. A	3,030 _		Smith & Wesson Brands,		
		8,470,994	Inc.	7,121	96,561
Household Durables 2.4%			Solo Brands, Inc. "A"*	3,177	19,570
Beazer Homes U.S.A., Inc.*	4,447	150,264	Sturm Ruger & Co., Inc.	2,721	123,670
Cavco Industries, Inc.*	1,343	465,511	Topgolf Callaway Brands		
Century Communities, Inc.	4,306	392,449	Corp.*	21,756	311,981
Cricut, Inc. "A" (a)	7,406	48,805	Vista Outdoor, Inc.*	8,879	262,552
Dream Finders Homes, Inc.	7,100	.0,000			1,582,141
"A"*	3,672	130,466	Specialty Retail 2.6%		
Ethan Allen Interiors, Inc.	3,555	113,476	1-800-Flowers.com, Inc. "A"*	3,967	42,764
GoPro, Inc. "A"*	19,559	67,870	Aaron's Co., Inc.	4,900	
Green Brick Partners, Inc.*	4,019	208,747	Abercrombie & Fitch Co.	4,900	53,312
Helen of Troy Ltd.*	3,617	436,970	"A"*	7,480	659,886
Hooker Furnishings Corp.	1,503	39,198	Academy Sports &	7,400	000,000
Hovnanian Enterprises, Inc.	.,000	00,.00	Outdoors, Inc.	11,011	726,726
"A"*	725	112,824	American Eagle Outfitters,	,-	-,
Installed Building Products,			Inc.	28,010	592,692
Inc.	3,629	663,454	America's Car-Mart, Inc.*	895	67,814
iRobot Corp.*	4,232	163,778	Arko Corp.	12,791	105,526
KB Home	10,845	677,379	Asbury Automotive Group,		
Landsea Homes Corp.*	3,047	40,038	Inc.*	3,153	709,330
La-Z-Boy, Inc.	6,620	244,410	Bark, Inc.*	19,032	15,330
Legacy Housing Corp.*	1,539	38,814	Beyond, Inc.*	6,964	192,833
LGI Homes, Inc.*	3,180	423,449	Big 5 Sporting Goods Corp.	2,726	17,283
Lovesac Co.*	2,263	57,820	Boot Barn Holdings, Inc.*	4,586	352,021
M.D.C. Holdings, Inc.	9,092	502,333	Build-a-bear Workshop, Inc.	2,068	47,543
M/I Homes, Inc.*	4,124	568,040	Caleres, Inc.	5,139	157,921
14,,111011100, 1110.	7,127	555,040	23.0.00,0.	3,100	. 07,021

_	Shares	Value (\$)		Shares	Value (\$)
Camping World Holdings,			G-III Apparel Group Ltd.*	6,358	216,045
Inc. "A"	6,404	168,169	Hanesbrands, Inc.*	53,454	238,405
CarParts.com, Inc.*	7,729	24,424	Kontoor Brands, Inc.	8,600	536,812
Carvana Co.*	14,707	778,589	Movado Group, Inc.	2,394	72,179
Cato Corp. "A"	3,005	21,456	Oxford Industries, Inc.	2,310	231,000
Chico's FAS, Inc.*	18,523	140,404	Rocky Brands, Inc.	1,178	35,552
Designer Brands, Inc. "A"	6,581	58,242	Steven Madden Ltd.	11,506	483,252
Destination XL Group, Inc.*	8,701	38,284	Vera Bradley, Inc.*	4,020	30,954
Duluth Holdings, Inc. "B"*	1,464	7,876	Wolverine World Wide, Inc.	11,976	106,467
Envela Corp.*	1,116	5,424		-	2,113,608
Evgo, Inc.*	15,991	57,248	Canaumar Stanlag 2 39/		_,,
Foot Locker, Inc.	12,604	392,615	Consumer Staples 3.3%		
Genesco, Inc.*	1,677	59,047	Beverages 0.4%		
Group 1 Automotive, Inc.	2,075	632,335	Coca-Cola Consolidated, Inc.	729	676,803
GrowGeneration Corp.*	8,491	21,312	MGP Ingredients, Inc.	2,413	237,729
Guess?, Inc.	4,282	98,743	National Beverage Corp.*	3,622	180,086
Haverty Furniture	0.050	00.000	Primo Water Corp.	23,935	360,222
Companies, Inc.	2,256	80,088	The Duckhorn Portfolio, Inc.*	6,838	67,354
Hibbett, Inc.	1,909	137,486	The Vita Coco Co., Inc*	4,385	112,475
J Jill, Inc.*	699	18,020	Zevia PBC "A"*	3,890	7,819
Lands' End, Inc.*	2,303	22,017			1,642,488
Lazydays Holdings, Inc.*	1,095	7,720	Consumer Staples Distribution 8	Retail 0.6%	
Leslie's, Inc.*	26,926	186,059	HF Foods Group, Inc.*	5,637	30,102
MarineMax, Inc.*	3,246	126,269	Ingles Markets, Inc. "A"	2,137	184,573
Monro, Inc.	4,782	140,304	Natural Grocers by Vitamin	_,	,
National Vision Holdings, Inc.*	11,914	249,360	Cottage, Inc.	1,461	23,376
ODP Corp.*	4,932	277,672	PriceSmart, Inc.	3,817	289,252
OneWater Marine, Inc. "A"*	1,719	58,085	SpartanNash Co.	5,258	120,671
PetMed Express, Inc.	3,002	22,695	Sprouts Farmers Market,		
Rent the Runway, Inc. "A"*	8,589	4,531	Inc.*	15,494	745,416
Revolve Group, Inc.*	6,355	105,366	The Andersons, Inc.	4,945	284,535
Sally Beauty Holdings, Inc.*	16,414	217,978	The Chefs' Warehouse, Inc.*	5,408	159,158
Shoe Carnival, Inc.	2,667	80,570	United Natural Foods, Inc.*	9,008	146,200
Signet Jewelers Ltd.	6,783	727,545	Village Super Market, Inc.	1 225	25 017
Sleep Number Corp.*	3,168	46,981	"A"	1,335	35,017
Sonic Automotive, Inc. "A"	2,229	125,292	Weis Markets, Inc.	2,525	161,499
Sportsman's Warehouse					2,179,799
Holdings, Inc.*	5,863	24,976	Food Products 0.9%		
Stitch Fix, Inc. "A"*	13,006	46,431	Alico, Inc.	1,104	32,104
The Buckle, Inc.	4,671	221,966	B&G Foods, Inc. (a)	10,890	114,345
The Children's Place, Inc.*	1,862	43,236	Benson Hill, Inc.*	25,963	4,512
ThredUp, Inc. "A"*	11,399	25,648	Beyond Meat, Inc.* (a)	9,096	80,954
Tile Shop Holdings, Inc.*	4,425	32,568	BRC, Inc. "A"*	5,881	21,348
Tilly's, Inc. "A"*	3,094	23,329	Calavo Growers, Inc.	2,599	76,437
Torrid Holdings, Inc.* (a)	2,036	11,748	Cal-Maine Foods, Inc.	6,190	355,244
Upbound Group, Inc.	8,487	288,303	Dole PLC	11,020	135,436
Urban Outfitters, Inc.*	9,795	349,584	Forafric Global PLC*	793	8,398
Warby Parker, Inc. "A"*	12,889	181,735	Fresh Del Monte Produce,		
Winmark Corp.	436	182,052	Inc.	5,213	136,841
Zumiez, Inc.*	2,295	46,680	Hain Celestial Group, Inc.*	13,753	150,595
		10,357,443	J & J Snack Foods Corp.	2,296	383,754
Textiles, Apparel & Luxury Go	nds 0.5%		John B. Sanfilippo & Son,	1 077	1.41.000
Allbirds, Inc. "A"*	14,126	17,304	Inc.	1,377	141,886
Figs, Inc. "A"*	19,654	136,595	Lancaster Colony Corp. Limoneira Co.	2,987 2,653	497,007 54 731
Fossil Group, Inc.*	6,194	9,043	Littotiella Co.	2,653	54,731
	5,.5.	2,0.0			

	Shares	Value (\$)		Shares	Value (\$)
Mission Produce, Inc.*	7,541	76,089	Forum Energy Technologies,		
Seneca Foods Corp. "A"*	758	39,750	Inc.*	1,552	34,408
Simply Good Foods Co.*	13,863	548,975	Helix Energy Solutions	04 ==0	
Sovos Brands, Inc.*	8,347	183,885	Group, Inc.*	21,776	223,857
Sunopta, Inc.*	14,124	77,258	Helmerich & Payne, Inc.	14,818	536,708
TreeHouse Foods, Inc.*	7,772	322,149	KLX Energy Services Holdings, Inc.*	2,042	22,993
Utz Brands, Inc.	11,016	178,900	Kodiak Gas Services, Inc.	2,398	48,152
Vital Farms, Inc.*	4,496	70,542	Liberty Energy, Inc.	25,040	454,226
Westrock Coffee Co.* (a)	4,428	45,210	Mammoth Energy Services,	20,040	404,220
		3,736,350	Inc.*	3,702	16,511
Household Products 0.3%			Nabors Industries Ltd.*	1,388	113,302
Central Garden & Pet Co.*	1,483	74,313	Newpark Resources, Inc.*	11,594	76,984
Central Garden & Pet Co.	,	, -	Noble Corp. PLC	17,160	826,426
"A"*	6,060	266,883	Oceaneering International,		
Energizer Holdings, Inc.	10,977	347,751	Inc.*	15,486	329,542
Oil-Dri Corp. of America	745	49,975	Oil States International, Inc.*	9,417	63,941
WD-40 Co.	2,074	495,831	Patterson-UTI Energy, Inc.	53,874	581,839
	_	1,234,753	ProFrac Holding Corp. "A"*	4,207	35,675
Developed Cove Dve durate 0.09/		, . ,	ProPetro Holding Corp.*	15,004	125,734
Personal Care Products 0.9% BellRing Brands, Inc.*	20.065	1,112,203	Ranger Energy Services, Inc.	1,967	20,122
Edgewell Personal Care Co.	20,065 7,588	277,949	RPC, Inc.	12,953	94,298
elf Beauty, Inc.*	7,566 8,224	1,187,052	SEACOR Marine Holdings, Inc.*	3,814	48,018
Herbalife Ltd.*	15,185	231,723	Seadrill Ltd.*	7,668	362,543
Inter Parfums, Inc.	2,778	400,060	Select Water Solutions, Inc.	12,176	92,416
Medifast, Inc.	1,661	111,652	Solaris Oilfield Infrastructure,	12,170	32,410
Nature's Sunshine Products,	1,001	111,002	Inc. "A"	4,355	34,666
Inc.*	1,954	33,785	TETRA Technologies, Inc.*	18,868	85,283
Nu Skin Enterprises, Inc. "A"	7,607	147,728	Tidewater, Inc.*	7,067	509,601
The Beauty Health Co.*	12,727	39,581	U.S. Silica Holdings, Inc.*	11,522	130,314
USANA Health Sciences,			Valaris Ltd.*	9,190	630,158
Inc.*	1,757	94,175	Weatherford International		
Waldencast PLC "A"*	5,615	61,428	PLC*	10,904	1,066,738
		3,697,336			9,330,817
Tobacco 0.2%			Oil, Gas & Consumable Fuels 4.4%		
Ispire Technology, Inc.*	2,625	31,841	Amplify Energy Corp.*	5,173	30,676
Turning Point Brands, Inc.	2,645	69,616	Ardmore Shipping Corp.	6,250	88,063
Universal Corp.	3,676	247,468	Berry Corp.	11,786	82,856
Vector Group Ltd.	22,298	251,522	California Resources Corp.	10,592	579,171
	_	600,447	Callon Petroleum Co.*	9,446	306,050
Energy 6.8%			Centrus Energy Corp. "A"*	1,908	103,814
			Chord Energy Corp.	6,389	1,062,043
Energy Equipment & Services 2.4%			Civitas Resources, Inc.	12,317	842,236
Archrock, Inc.	21,313	328,220	Clean Energy Fuels Corp.*	26,011	99,622
Atlas Energy Solutions, Inc.	2,708	46,632	CNX Resources Corp.*	23,853	477,060
Borr Drilling Ltd.*	33,832	249,004	Comstock Resources, Inc.	13,889	122,918
Bristow Group, Inc.*	3,543	100,161	CONSOL Energy, Inc.	4,651	467,565
Cactus, Inc. "A"	9,933	450,958	Crescent Energy Co. "A"	11,724	154,874
ChampionX Corp.	29,805	870,604	CVR Energy, Inc.	4,543	137,653
Core Laboratories, Inc.	7,110	125,563	Delek U.S. Holdings, Inc.	9,736	251,189
Diamond Offshore Drilling, Inc.*	15,749	204,737	DHT Holdings, Inc.	20,823	204,274
DMC Global, Inc.*	2,839	53,430	Dorian LPG Ltd.	5,229	229,396
Dril-Quip, Inc.*	5,150	119,841	Empire Petroleum Corp.*	2,172	23,870
Expro Group Holdings NV*	13,644	217,212	Encore Energy Corp.*	22,210	87,285
	. 5,0 11	,	Energy Fuels, Inc.*	23,783	171,000

	Shares	Value (\$)		Shares	Value (\$)
Enviva, Inc.	4,748	4,728	W&T Offshore, Inc.	14,838	48,372
Equitrans Midstream Corp.	66,941	681,459	World Kinect Corp.	9,049	206,136
Evolution Petroleum Corp.	4,805	27,917	·	_	17,302,940
Excelerate Energy, Inc. "A"	2,858	44,185	F: 1 40 00/		17,302,340
FLEX LNG Ltd.	4,583	133,182	Financials 16.8%		
FutureFuel Corp.	4,335	26,357	Banks 9.3%		
Gevo, Inc.*	36,102	41,878	1st Source Corp.	2,572	141,331
Golar LNG Ltd.	15,234	350,230	ACNB Corp.	1,289	57,696
Granite Ridge Resources,	,	,	Amalgamated Financial		
Inc.	5,138	30,931	Corp.	2,620	70,583
Green Plains, Inc.*	8,916	224,862	Amerant Bancorp, Inc.	4,023	98,845
Gulfport Energy Corp.*	1,717	228,704	American National		
Hallador Energy Co.*	3,581	31,656	Bankshares, Inc.	1,563	76,196
HighPeak Energy, Inc.	1,682	23,952	Ameris Bancorp.	10,023	531,720
International Seaways, Inc.	6,240	283,795	Ames National Corp.	1,212	25,864
Kinetik Holdings, Inc.	2,778	92,785	Arrow Financial Corp.	2,245	62,725
Kosmos Energy Ltd.*	70,038	469,955	Associated Banc-Corp.	22,913	490,109
Magnolia Oil & Gas Corp. "A"	27,201	579,109	Atlantic Union Bankshares		
Matador Resources Co.	17,266	981,745	Corp.	11,524	421,087
Murphy Oil Corp.	22,736	969,918	Axos Financial, Inc.*	8,441	460,879
NACCO Industries, Inc. "A"	702	25,623	Banc of California, Inc.	19,903	267,297
			BancFirst Corp.	3,382	329,170
NextDecade Corp* (a) Nordic American Tankers	11,837	56,462	Bank First Corp.	1,446	125,310
Ltd.	31,120	130,704	Bank of Hawaii Corp. (a)	6,014	435,774
Northern Oil and Gas, Inc.	13,382	496,071	Bank of Marin Bancorp.	2,469	54,367
Overseas Shipholding	13,302	490,071	Bank of NT Butterfield & Son		
Group, Inc. "A"	9,345	49,248	Ltd.	7,293	233,449
Par Pacific Holdings, Inc.*	8,497	309,036	Bank7 Corp.	616	16,848
PBF Energy, Inc. "A"	17,020	748,199	BankUnited, Inc.	11,448	371,259
Peabody Energy Corp.	17,434	423,995	Bankwell Financial Group,		
Permian Resources Corp.	59,561	810,030	Inc.	828	24,989
PrimeEnergy Resources	59,501	610,030	Banner Corp.	5,186	277,762
Corp.*	116	12,337	Bar Harbor Bankshares	2,377	69,789
REX American Resources	110	12,007	BayCom Corp.	1,656	39,065
Corp.*	2,380	112,574	BCB Bancorp., Inc.	2,434	31,277
Riley Exploration Permian,	•	•	Berkshire Hills Bancorp., Inc.	6,767	168,025
Inc.	1,367	37,237	Blue Foundry Bancorp.*	3,625	35,054
Ring Energy, Inc.*	16,278	23,766	Blue Ridge Bankshares, Inc.	2,178	6,599
Sandridge Energy, Inc.	4,968	67,913	Bridgewater Bancshares,		
Scorpio Tankers, Inc.	7,276	442,381	Inc.*	2,833	38,302
SFL Corp. Ltd.	17,787	200,637	Brookline Bancorp., Inc.	13,401	146,205
SilverBow Resources, Inc.*	3,220	93,638	Burke & Herbert Financial		
Sitio Royalties Corp. "A"	12,390	291,289	Services Corp.	998	62,774
SM Energy Co.	18,022	697,812	Business First Bancshares,	0.507	07.407
Talos Energy, Inc.*	16,592	236,104	Inc.	3,537	87,187
Teekay Corp.*	9,249	66,130	Byline Bancorp., Inc.	3,758	88,539
Teekay Tankers Ltd. "A"	3,629	181,341	C&F Financial Corp.	502	34,231
Tellurian, Inc.* (a)	82,205	62,114	Cadence Bank	27,856	824,259
Uranium Energy Corp.* (a)	57,551	368,326	Cambridge Bancorp.	1,153	80,018
Vaalco Energy, Inc.	16,790	75,387	Camden National Corp.	2,206	83,012
Verde Clean Fuels, Inc.*	668	1,576	Capital Bancorp., Inc	1,368	33,106
Vertex Energy, Inc.* (a)	9,336	31,649	Capital City Bank Group, Inc.	1,936	56,977
Vital Energy, Inc.*	9,536 3,576	162,672	Capitol Federal Financial, Inc.	19,574	126,252
			Capstar Financial Holdings,		
Vitesse Energy, Inc.	3,893	85,218	Inc.	2,858	53,559
			Carter Bankshares, Inc.*	3,456	51,736
			Cathay General Bancorp.	10,518	468,787

_	Shares	Value (\$)		Shares	Value (\$)
Central Pacific Financial Corp.	4,160	81,869	First Financial Bancorp. First Financial Bankshares.	14,215	337,606
Central Valley Community	.,	0.7000	Inc.	19,946	604,364
Bancorp.	1,541	34,441	First Financial Corp.	1,727	74,313
Chemung Financial Corp.	528	26,294	First Foundation, Inc.	7,605	73,616
ChoiceOne Financial			First Interstate BancSystem,		
Services, Inc. (a)	1,056	30,941	Inc. "A"	12,542	385,667
Citizens & Northern Corp.	2,323	52,105	First Merchants Corp.	8,916	330,605
Citizens Financial Services, Inc. (a)	590	38,185	First Mid Bancshares, Inc.	3,286	113,893
			First of Long Island Corp.	3,309	43,811
City Holding Co. Civista Bancshares, Inc.	2,287 2,323	252,165 42,836	First Western Financial, Inc.*	1,154	22,884
CNB Financial Corp.	2,323 3,256	73,553	Five Star Bancorp.	1,921	50,292
Coastal Financial Corp.*	3,250 1,619	73,333	Flushing Financial Corp.	4,356	71,787
•			FS Bancorp, Inc.	1,028	37,995
Codorus Valley Bancorp., Inc.	1,463	37,599	Fulton Financial Corp.	24,298	399,945
Colony Bankcorp, Inc. Columbia Financial, Inc.*	2,487	33,077	FVCBankcorp, Inc.*	2,180	30,956
Community Bank System,	4,641	89,479	German American Bancorp.,		
Inc.	8,176	426,051	Inc.	4,237	137,321
Community Trust Bancorp.,	0,170	120,001	Glacier Bancorp., Inc.	17,088	706,076
Inc.	2,404	105,439	Great Southern Bancorp., Inc.	1,407	83,505
ConnectOne Bancorp., Inc.	5,692	130,404		1,407	63,505
CrossFirst Bankshares, Inc.*	6,780	92,072	Greene County Bancorp., Inc.	994	28,031
Customers Bancorp., Inc.*	4,386	252,721	Guaranty Bancshares, Inc.	1,334	44,849
CVB Financial Corp.	20,394	411,755	Hancock Whitney Corp.	13,279	645,227
Dime Community			Hanmi Financial Corp.	4,696	91,102
Bancshares, Inc.	5,253	141,463	HarborOne Bancorp, Inc.	6,289	75,342
Eagle Bancorp., Inc.	4,473	134,816	HBT Financial, Inc.	1,911	40,341
Eastern Bankshares, Inc.	23,441	332,862	Heartland Financial U.S.A.,	1,011	10,011
Enterprise Bancorp., Inc.	1,421	45,841	Inc.	6,416	241,306
Enterprise Financial Services			Heritage Commerce Corp.	9,222	91,482
Corp.	5,508	245,932	Heritage Financial Corp.	5,343	114,287
Equity Bancshares, Inc. "A"	2,278	77,224	Hilltop Holdings, Inc.	7,126	250,906
Esquire Financial Holdings,	1 000	E0 407	Hingham Institution For		
Inc.	1,063	53,107	Savings (a)	217	42,185
ESSA Bancorp., Inc.	1,317	26,366	Home Bancorp., Inc.	1,080	45,371
Evans Bancorp., Inc.	786	24,783	Home BancShares, Inc.	29,212	739,940
Farmers & Merchants Bancorp., Inc.	1,985	49,228	HomeStreet, Inc.	2,935	30,231
Farmers National Banc	1,505	40,220	HomeTrust Bancshares, Inc.	2,270	61,108
Corp. (a)	5.686	82,163	Hope Bancorp., Inc.	17,577	212,330
FB Financial Corp.	5,417	215,867	Horizon Bancorp, Inc.	6,578	94,131
Fidelity D&D Bancorp, Inc.	712	41,317	Independent Bank Corp.	9,904	527,597
Financial Institutions, Inc.	2,361	50,289	Independent Bank Group,	=	.=
First BanCorp.	26,017	427,980	Inc.	5,490	279,331
First BanCorp North	,	,	International Bancshares	0.216	446 202
Carolina	6,074	224,799	Corp.	8,216	446,293
First Bancorp., Inc.	1,353	38,182	John Marshall Bancorp, Inc.	1,953	44,060
First Bancshares, Inc.	4,696	137,734	Kearny Financial Corp.	8,760	78,577
First Bank	3,354	49,304	Lakeland Bancorp., Inc.	9,585	141,762
First Busey Corp.	7,919	196,550	Lakeland Financial Corp.  LCNB Corp.	3,784	246,565
First Business Financial			Live Oak Bancshares, Inc.	1,551 5,176	24,459
Services, Inc.	1,202	48,200	Luther Burbank Corp.*	1,275	235,508
First Commonwealth	15 550	240.000	'		13,655
Financial Corp.	15,550	240,092	Macatawa Bank Corp.  MainStreet Bancshares, Inc.	4,162 1 126	46,947 27,936
First Community Bancshares, Inc.	2,674	99,205	Mercantile Bank Corp.	1,126 2,420	27,936 97,720
First Community Corp.	1,149	24,738	Metrocity Bankshares, Inc.	2,420 2,860	68,697
	1,110	2.,,00	Wordoney Barnshares, Inc.	2,000	30,007

_	Shares	Value (\$)		Shares	Value (\$)
Metropolitan Bank Holding Corp.*	1,555	86,116	Sandy Spring Bancorp., Inc. Seacoast Banking Corp. of	6,712	182,835
Mid Penn Bancorp, Inc.	2,190	53,173	Florida	12,947	368,472
Middlefield Banc Corp.	1,211	39,200	ServisFirst Bancshares, Inc.	7,822	521,180
Midland States Bancorp.,	.,		Shore Bancshares, Inc.	4,634	66,035
Inc.	3,291	90,700	Sierra Bancorp.	2,147	48,415
MidWestOne Financial			Simmons First National	,	-,
Group, Inc.	2,025	54,493	Corp. "A"	18,737	371,742
MVB Financial Corp.	1,765	39,818	SmartFinancial, Inc.	2,422	59,315
National Bank Holdings	F 010	000.000	South Plains Financial, Inc.	1,839	53,257
Corp. "A"	5,610	208,636	Southern First Bancshares,		
National Bankshares, Inc.	837	27,077	Inc.*	1,130	41,923
NBT Bancorp., Inc.	7,036	294,879	Southern Missouri Bancorp.,	1 110	75 700
Nicolet Bankshares, Inc.	1,949	156,856	Inc.	1,419	75,760
Northeast Bank	1,025	56,570	Southern States Bancshares, Inc.	1,190	34,843
Northeast Community Bancorp, Inc.	2,038	36,154	Southside Bancshares, Inc.	4,487	140,533
Northfield Bancorp., Inc.	5.798	72,939	SouthState Corp.	11,636	982,660
Northrim BanCorp., Inc.	803	45,940	Stellar Bancorp, Inc.	7,433	206,935
Northwest Bancshares, Inc.	19,440	242,611	Sterling Bancorp., Inc.*	3,460	19,964
Norwood Financial Corp.	1,119	36,826	Stock Yards Bancorp., Inc.	4,134	212,860
Oak Valley Bancorp.	1,057	31,657	Summit Financial Group, Inc.	1,703	52,265
OceanFirst Financial Corp.	8,888	154,296	Texas Capital Bancshares,	1,700	02,200
OFG Bancorp.	7,093	265,846	Inc.*	7,274	470,119
Old National Bancorp.	44,484	751,335	The Bancorp, Inc.*	7,889	304,200
Old Second Bancorp., Inc.	6,491	100,221	Third Coast Bancshares,		
Orange County Bancorp, Inc.	799	48,132	Inc.*	1,857	36,899
Origin Bancorp, Inc.	4,469	158,962	Timberland Bancorp., Inc.	1,124	35,361
Orrstown Financial Services,	.,	,	Tompkins Financial Corp.	2,140	128,892
Inc.	1,624	47,908	TowneBank	10,624	316,170
Pacific Premier Bancorp.,			TriCo Bancshares	4,747	203,979
Inc.	14,342	417,496	Triumph Financial, Inc.*	3,415	273,815
Park National Corp.	2,186	290,432	TrustCo Bank Corp. NY	2,897	89,952
Parke Bancorp., Inc.	1,705	34,526	Trustmark Corp.	9,147	255,018
Pathward Financial, Inc.	4,041	213,890	UMB Financial Corp.	6,768	565,466
PCB Bancorp.	1,703	31,386	United Bankshares, Inc.	19,975	750,061
Peapack-Gladstone Financial	0.040	77.000	United Community Banks,	47.545	E40 400
Corp.	2,612	77,890	Inc.	17,515	512,489
Penns Woods Bancorp., Inc.	999	22,488	Unity Bancorp., Inc.	1,028	30,419
Peoples Bancorp., Inc.	5,340	180,278	Univest Financial Corp.	4,519	99,554
Peoples Financial Services Corp.	1,116	54,349	USCB Financial Holdings, Inc.*	1,558	19,086
Pioneer Bancorp., Inc.*	1,471	14,725	Valley National Bancorp.	65,583	712,231
Plumas Bancorp.	843	34,858	Veritex Holdings, Inc.	8,025	186,742
Ponce Financial Group, Inc.*	2,778	27,113	Virginia National Bankshares	0,020	100,742
Preferred Bank	1,921	140,329	Corp.	702	24,135
Premier Financial Corp.	5,415	130,502	WaFd, Inc.	9,717	320,272
Primis Financial Corp.	3,436	43,500	Washington Trust Bancorp.,		
Princeton Bancorp, Inc.	758	27,212	Inc.	2,617	84,738
Provident Financial Services,	700	27,212	WesBanco, Inc.	8,770	275,115
Inc.	11,189	201,738	West BanCorp, Inc.	2,509	53,191
QCR Holdings, Inc.	2,518	147,026	Westamerica BanCorp.	3,972	224,061
RBB Bancorp.	2,590	49,314	WSFS Financial Corp.	9,256	425,128
Red River Bancshares, Inc.	756	42,419		-	36,745,919
Renasant Corp.	8,376	282,104	Capital Markets 1 49/		,
Republic Bancorp., Inc. "A"	1,353	74,632	Capital Markets 1.4% AITi Global, Inc.*	2 221	20 002
S&T Bancorp., Inc.	5,698	190,427	AITI GIODAI, IIIC.	3,321	29,092

_	Shares	Value (\$)		Shares	Value (\$)
Artisan Partners Asset			Upstart Holdings, Inc.* (a)	11,207	457,918
Management, Inc. "A"	9,388	414,762	World Acceptance Corp.*	608	79,362
AssetMark Financial	0.000	100.000		_	3,029,691
Holdings, Inc.*	3,362	100,692	Financial Commissa 2 49/		0,020,00
B. Riley Financial, Inc. (a)	3,111	65,300	Financial Services 2.4%	6 100	24.027
Bakkt Holdings, Inc.* (a)	11,119	24,795	Acacia Research Corp.*	6,132	24,037
BGC Group, Inc. "A"	54,434	393,013	Allerus Financial Corp.	2,786	62,379
Brightsphere Investment Group, Inc.	4,930	94,459	A-Mark Precious Metals, Inc. AvidXchange Holdings, Inc.*	2,947 22,664	89,147
Cohen & Steers, Inc.	3,984	301,708	Banco Latinoamericano de	22,004	280,807
Diamond Hill Investment	3,304	301,700	Comercio Exterior SA	4,259	105,368
Group, Inc.	396	65,574	Cannae Holdings, Inc.*	10,330	201,538
Donnelley Financial			Cantaloupe, Inc.*	8,950	66,320
Solutions, Inc.*	3,734	232,890	Cass Information Systems,	3,000	00,020
Forge Global Holdings, Inc.*	17,106	58,674	Inc.	2,103	94,740
GCM Grosvenor, Inc. "A"	6,451	57,801	Compass Diversified		
Hamilton Lane, Inc. "A"	5,588	633,903	Holdings	9,642	216,463
MarketWise, Inc.	5,085	13,882	Enact Holdings, Inc.	4,573	132,114
Moelis & Co. "A"	10,211	573,143	Essent Group Ltd.	15,935	840,412
Open Lending Corp. "A"*	15,442	131,411	EVERTEC, Inc.	9,881	404,528
P10, Inc. "A"	6,710	68,576	Federal Agricultural		
Patria Investments Ltd. "A"	8,266	128,206	Mortgage Corp. "C"	1,406	268,855
Perella Weinberg Partners	6,556	80,180	Finance of America		
Piper Sandler Companies	2,658	464,804	Companies, Inc. "A"*	8,759	9,635
PJT Partners, Inc. "A"	3,618	368,566	Flywire Corp.*	16,187	374,729
Silvercrest Asset			I3 Verticals, Inc. "A"*	3,564	75,450
Management Group, Inc.			International Money	4.024	106 700
"A"	1,553	26,401	Express, Inc.*	4,834	106,783
StepStone Group, Inc. "A"	8,319	264,794	Jackson Financial, Inc. "A"	12,681	649,267
StoneX Group, Inc.*	4,116	303,884	Marqeta, Inc. "A"*	73,074	510,057
Value Line, Inc.	100	4,875	Merchants Bancorp.	2,394	101,937
Victory Capital Holdings, Inc.	0.000	107.110	Mr Cooper Group, Inc.*	9,799	638,111
"A"	3,982	137,140	NewtekOne, Inc.	3,570	49,266
Virtus Investment Partners, Inc.	1,051	254,090	NMI Holdings, Inc. "A"*	12,212	362,452
WisdomTree, Inc.	20,889	144,761	Ocwen Financial Corp.*	1,032	31,744
vvisuoittilee, iiic.	20,009		Pagseguro Digital Ltd. "A"*	30,206	376,669
		5,437,376	Payoneer Global, Inc.*	40,140	209,129
Consumer Finance 0.8%			Paysafe Ltd.*	5,109	65,344
Atlanticus Holdings Corp.*	743	28,732	Paysign, Inc.*	5,141	14,395
Bread Financial Holdings,			PennyMac Financial Services, Inc.	3.914	345,880
Inc.	7,553	248,796	Priority Technology Holdings,	0,014	040,000
Consumer Portfolio	1.011	10.010	Inc.*	1,983	7,059
Services, Inc.*	1,314	12,312	Radian Group, Inc.	24,122	688,683
Encore Capital Group, Inc.*	3,552	180,264	Remitly Global, Inc.*	20,303	394,284
Enova International, Inc.*	4,424	244,913	Repay Holdings Corp.*	12,525	106,964
FirstCash Holdings, Inc.	5,762	624,543	Security National Financial	•	•
Green Dot Corp. "A"*	7,111	70,399	Corp. "A"*	1,975	17,775
LendingClub Corp.*	16,178	141,396	StoneCo., Ltd. "A"*	44,566	803,525
LendingTree, Inc.*	1,547	46,905	SWK Holdings Corp.*	529	9,273
Navient Corp.	13,044	242,879	Velocity Financial, Inc.*	1,318	22,696
Nelnet, Inc. "A"	1,956	172,558	Walker & Dunlop, Inc.	4,873	540,952
NerdWallet, Inc. "A"*	5,350	78,752	Waterstone Financial, Inc.	2,474	35,131
OppFi, Inc.*	1,931	9,887		_	9,333,898
PRA Group, Inc.*	5,843	153,087	4.70/		2,300,000
PROG Holdings, Inc.*	6,751	208,673	Insurance 1.7%		
Regional Management Corp.	1,129	28,315	Ambac Financial Group, Inc.*	6,782	111,767
			IIIC.	0,702	111,707

_	Shares	Value (\$)	_	Shares	Value (\$)
American Coastal Insurance Corp. "C"*	3,048	28,834	Mortgage Real Estate Investment	nt Trusts	
American Equity Investment Life Holding Co.*	12,012	670,270	AFC Gamma, Inc.	2,327	27,994
AMERISAFE, Inc.	2,911	136,177	Angel Oak Mortgage REIT, Inc.	1,894	20,076
BRP Group, Inc. "A"*	9,296	223,290	Apollo Commercial Real	1,034	20,070
CNO Financial Group, Inc.	16,955	473,044	Estate Finance, Inc.	21,512	252,551
Crawford & Co. "A"	2,247	29,615	Arbor Realty Trust, Inc. (a)	28,079	426,239
Donegal Group, Inc. "A"	2,368	33,128	Ares Commercial Real	_5,5.5	,
eHealth, Inc.*	4,182	36,467	Estate Corp.	7,801	80,818
Employers Holdings, Inc.	3,821	150,547	ARMOUR Residential REIT,		
Enstar Group Ltd.*	1,825	537,189	Inc. (a)	7,534	145,557
F&G Annuities & Life, Inc.	2,913	133,998	Blackstone Mortgage Trust,		
Fidelis Insurance Holdings	_,,	,	Inc. "A" (a)	26,241	558,146
Ltd.*	2,495	31,612	BrightSpire Capital, Inc.	19,548	145,437
Genworth Financial, Inc. "A"*	70,349	469,931	Chicago Atlantic Real Estate	0.470	00.005
GoHealth, Inc. "A"*	620	8,271	Finance, Inc.	2,470	39,965
Goosehead Insurance, Inc.			Chimera Investment Corp.	35,137	175,334
"A"*	3,258	246,956	Claros Mortgage Trust, Inc.	13,868	189,021
Greenlight Capital Re Ltd.			Dynex Capital, Inc.	8,818	110,401
"A"*	4,176	47,690	Ellington Financial, Inc.	11,510	146,292
HCI Group, Inc.	1,013	88,536	Franklin BSP Realty Trust,	10.000	171 110
Hippo Holdings, Inc.*	1,663	15,167	Inc.	12,666	171,118
Horace Mann Educators			Granite Point Mortgage Trust. Inc.	7,787	46,255
Corp.	6,242	204,113	Hannon Armstrong	7,707	40,233
Investors Title Co.	198	32,104	Sustainable Infrastructure		
James River Group Holdings	F 220	40.040	Capital, Inc. (a)	16,134	444,976
Ltd.	5,329	49,240	Invesco Mortgage Capital,		
Kingsway Financial Services, Inc.*	1,579	13,264	Inc.	6,560	58,122
Lemonade, Inc.*	7,772	125,362	KKR Real Estate Finance		
Maiden Holdings Ltd.*	13,624	31,199	Trust, Inc.	8,884	117,535
MBIA, Inc.*	6,875	42,075	Ladder Capital Corp.	17,259	198,651
Mercury General Corp.	4,110	153,344	MFA Financial, Inc.	15,643	176,297
National Western Life Group,	4,110	155,544	New York Mortgage Trust,	10.010	440.070
Inc. "A"	345	166,642	Inc.	13,913	118,678
NI Holdings, Inc.*	1,387	18,017	Nexpoint Real Estate Finance, Inc.	1,135	17,876
Oscar Health, Inc. "A"*	23,641	216,315	Orchid Island Capital, Inc.		
Palomar Holdings, Inc.*	3,706	205,683	, ,	8,135	68,578
ProAssurance Corp.	7,845	108,183	PennyMac Mortgage Investment Trust	13,455	201,152
Safety Insurance Group, Inc.	2,189	166,342	Ready Capital Corp.	24,400	250,100
Selective Insurance Group,	2,100	100,042	Redwood Trust, Inc.	17,410	129,008
Inc.	9,213	916,509	TPG RE Finance Trust, Inc.	10,469	68,048
Selectquote, Inc.*	19,829	27,166	Two Harbors Investment	10,403	00,040
SiriusPoint Ltd.*	10,505	121,858	Corp.	14,824	206,498
Skyward Specialty Insurance	,	,			· · · · · · · · · · · · · · · · · · ·
Group, Inc.*	3,678	124,611			4,590,723
Stewart Information			Health Care 15.2%		
Services Corp.	4,080	239,700	Biotechnology 7.4%		
Tiptree, Inc.	3,736	70,835	2seventy bio, Inc.*	7,788	33,255
Trupanion, Inc.* (a)	6,086	185,684	4D Molecular Therapeutics,		
United Fire Group, Inc.	3,277	65,933	Inc.*	6,128	124,153
Universal Insurance			89bio, Inc.*	9,840	109,913
Holdings, Inc.	3,893	62,210	Aadi Bioscience, Inc.*	2,599	5,250
		6,818,878	ACADIA Pharmaceuticals,		
		•	Inc.*	18,589	582,022
			ACELYRIN, Inc.*	4,710	35,137
			Acrivon Therapeutics, Inc.*	1,307	6,430

	Shares	Value (\$)		Shares	Value (\$)
Actinium Pharmaceuticals,			Bridgebio Pharma, Inc.*	17,541	708,130
Inc.*	4,045	20,549	Cabaletta Bio, Inc.*	5,297	120,242
Adicet Bio, Inc.*	3,920	7,409	CareDx, Inc.*	7,681	92,172
ADMA Biologics, Inc.*	32,172	145,417	Caribou Biosciences, Inc.*	12,613	72,272
Aerovate Therapeutics, Inc.*	1,574	35,620	Carisma Therapeutics, Inc.	4,111	12,045
Agenus, Inc.*	59,441	49,211	Cartesian Therapeutics, Inc.*	17,902	12,342
Agios Pharmaceuticals, Inc.*	8,396	186,979	Catalyst Pharmaceuticals,	•	•
Akero Therapeutics, Inc.*	7,666	179,001	Inc.*	15,438	259,513
Aldeyra Therapeutics, Inc.*	7,208	25,300	Celcuity, Inc.*	2,673	38,946
Alector, Inc.*	9,916	79,130	Celldex Therapeutics, Inc.*	7,076	280,634
Alkermes PLC*	25,298	701,766	Century Therapeutics, Inc.*	4,162	13,818
Allakos, Inc.*	10,323	28,182	Cerevel Therapeutics		
Allogene Therapeutics, Inc.*	14,837	47,627	Holdings, Inc.*	10,653	451,687
Allovir, Inc.*	6,488	4,410	Cogent Biosciences, Inc.*	12,569	73,906
Alpine Immune Sciences,	3, 133	.,	Coherus Biosciences, Inc.*	14,337	47,742
Inc.* (a)	4,911	93,604	Compass Therapeutics, Inc.*	14,159	22,088
Altimmune, Inc.*	7,682	86,422	Crinetics Pharmaceuticals,	•	•
ALX Oncology Holdings,	,		Inc.*	9,911	352,633
Inc.* (a)	4,111	61,213	Cue Biopharma, Inc.*	5,402	14,261
Amicus Therapeutics, Inc.*	43,073	611,206	Cullinan Oncology, Inc*	3,629	36,979
AnaptysBio, Inc.*	2,843	60,897	Cytokinetics, Inc.*	14,289	1,192,989
Anavex Life	,-	,	Day One	,	, - ,
Sciences Corp.* (a)	10,977	102,196	Biopharmaceuticals, Inc.*	9,631	140,613
Anika Therapeutics, Inc.*	2,197	49,784	Deciphera Pharmaceuticals,		
Annexon, Inc.*	7,154	32,479	Inc.*	8,206	132,363
Apogee Therapeutics,			Denali Therapeutics, Inc.*	17,957	385,357
Inc.* (a)	3,053	85,301	Design Therapeutics, Inc.*	5,097	13,507
Arbutus Biopharma Corp.*	19,583	48,957	Disc Medicine, Inc.*	1,312	75,781
Arcellx, Inc.*	5,870	325,785	Dynavax Technologies Corp.*	19,683	275,168
Arcturus Therapeutics			Dyne Therapeutics, Inc.*	6,591	87,660
Holdings, Inc.*	3,587	113,098	Eagle Pharmaceuticals, Inc.*	1,464	7,657
Arcus Biosciences, Inc.*	8,285	158,243	Editas Medicine, Inc.*	12,673	128,377
Arcutis Biotherapeutics,			Emergent BioSolutions,	, -	.,-
Inc.*	12,162	39,283	Inc.*	7,558	18,139
Ardelyx, Inc.*	35,075	217,465	Enanta Pharmaceuticals,		
Arrowhead Pharmaceuticals,			Inc.*	2,739	25,774
Inc.*	15,515	474,759	Entrada Therapeutics, Inc.*	3,310	49,948
ARS Pharmaceuticals, Inc.*	3,781	20,720	Erasca, Inc.*	12,652	26,949
Astria Therapeutics, Inc.*	5,043	38,730	Fate Therapeutics, Inc.*	12,699	47,494
Atara Biotherapeutics, Inc.*	13,001	6,667	Fennec Pharmaceuticals,		
Aura Biosciences, Inc.*	4,260	37,744	Inc.*	2,792	31,326
Aurinia Pharmaceuticals,			FibroGen, Inc.*	14,082	12,481
Inc.*	20,729	186,354	Foghorn Therapeutics, Inc.*	2,986	19,260
Avid Bioservices, Inc.*	9,620	62,530	Genelux Corp.* (a)	2,635	36,916
Avidity Biosciences, Inc.*	10,954	99,134	Generation Bio Co.*	7,055	11,641
Avita Medical, Inc.*	3,879	53,220	Geron Corp.*	76,558	161,537
Beam Therapeutics, Inc.*	11,044	300,618	Graphite Bio, Inc.*	4,419	11,578
BioAtla, Inc.*	6,915	17,011	Gritstone bio, Inc.*	13,654	27,854
BioCryst Pharmaceuticals,			Halozyme Therapeutics,	-,	,
Inc.*	28,746	172,188	Inc.*	19,782	731,143
Biohaven Ltd.*	10,421	446,019	Heron Therapeutics, Inc.*	15,592	26,506
Biomea Fusion, Inc.*	3,072	44,605	HilleVax, Inc.*	3,995	64,120
BioVie, Inc.*	726	915	Humacyte, Inc.*	8,303	23,580
Bioxcel Therapeutics,			Icosavax, Inc.*	4,264	67,201
Inc.* (a)	2,978	8,785	Ideaya Biosciences, Inc.*	9,168	326,197
Bluebird Bio, Inc.*	15,733	21,711	IGM Biosciences, Inc.*	1,804	14,991
Blueprint Medicines Corp.*	9,307	858,478	Immuneering Corp. "A"*	3,141	23,086
				0,171	20,000

_	Shares	Value (\$)		Shares	Value (\$)
ImmunityBio, Inc.* (a)	20,235	101,580	Organogenesis Holdings,	40.040	44.050
ImmunoGen, Inc.*	36,532	1,083,174	Inc.*	10,819	44,250
Immunovant, Inc.*	8,197	345,340	ORIC Pharmaceuticals, Inc.*	6,049	55,651
Inhibrx, Inc.*	5,291	201,058	Outlook Therapeutics,	05.400	10.010
Inozyme Pharma, Inc.*	7,206	30,697	Inc.* (a)	25,422	10,016
Insmed, Inc.*	21,070	652,959	Ovid therapeutics, Inc.*	9,195	29,608
Intellia Therapeutics, Inc.*	13,426	409,359	PDS Biotechnology Corp.* (a)	4,348	21,610
lovance Biotherapeutics,			PepGen, Inc.*	1,572	10,690
Inc.*	35,185	286,054	PMV Pharmaceuticals, Inc.*	5,590	
Ironwood Pharmaceuticals,					17,329
Inc.*	21,113	241,533	Poseida Therapeutics, Inc.*	10,662	35,824
iTeos Therapeutics, Inc.*	3,453	37,810	Precigen, Inc.*	21,415	28,696
Janux Therapeutics, Inc.*	2,549	27,351	Prelude Therapeutics, Inc.*	1,577	6,734
KalVista Pharmaceuticals,		== ===	Prime Medicine, Inc.* (a)	6,120	54,223
Inc.*	4,696	57,526	ProKidney Corp.*	6,311	11,234
Karyopharm Therapeutics, Inc.*	17,768	15,369	Protagonist Therapeutics, Inc.*	8,784	201,417
				0,704	201,417
Keros Therapeutics, Inc.*	3,435	136,576	Protalix BioTherapeutics, Inc.*	8,708	15,500
Kezar Life Sciences, Inc.*	11,179	10,591	Prothena Corp. PLC*	6,436	233,884
Kiniksa Pharmaceuticals Ltd. "A"*	4.010	86,262	PTCTherapeutics, Inc.*	10,894	300,239
Kodiak Sciences, Inc.*	4,918 4,947	15,039	Rallybio Corp.*	4,728	11,300
•					
Krystal Biotech, Inc.*	3,321	412,003	RAPT Therapeutics, Inc.*	4,548	113,018
Kura Oncology, Inc.*	10,905	156,814	RayzeBio, Inc.*	3,056	189,991
Kymera Therapeutics, Inc.*	5,793	147,490	Recursion Pharmaceuticals, Inc. "A"*	20,981	206,873
Larimar Therapeutics, Inc.*	3,960	18,018	REGENXBIO, Inc.*	6,270	112,546
Lexicon Pharmaceuticals, Inc.*	14,403	22,037	Relay Therapeutics, Inc.*	13,822	152,180
Lineage Cell Therapeutics,	14,403	22,037	Reneo Pharmaceuticals,	13,022	132,100
Inc.*	19,932	21,726	Inc.*	1,506	2,410
Lyell Immunopharma, Inc.*	27,354	53,067	Replimune Group, Inc.*	7,574	63,849
MacroGenics, Inc.*	9,200	88,504	REVOLUTION Medicines,		
Madrigal Pharmaceuticals,			Inc.*	21,924	628,780
Inc.*	2,255	521,762	Rhythm Pharmaceuticals,		
MannKind Corp.*	39,020	142,033	Inc.*	7,872	361,876
MeiraGTx Holdings PLC*	5,230	36,715	Rigel Pharmaceuticals, Inc.*	27,811	40,326
Merrimack Pharmaceuticals,			Rocket Pharmaceuticals, Inc.*	0.555	206.262
Inc.*	1,609	21,577		9,555	286,363
Mersana Therapeutics, Inc.*	15,509	35,981	Sage Therapeutics, Inc.*	8,161	176,849
MiMedx Group, Inc.*	17,214	150,967	Sagimet Biosciences, Inc. "A"*	535	2,900
Mineralys Therapeutics,	0.004	00.007	Sana Biotechnology, Inc.*	14,486	59,103
Inc.*	3,031	26,067	Sangamo Therapeutics, Inc.*	20,905	11,358
Mirum Pharmaceuticals, Inc.*	3,825	112,914	Savara, Inc.*	13,463	63,276
	3,020	112,914			
Monte Rosa Therapeutics, Inc.*	4,311	24,357	Scholar Rock Holding Corp.*	8,438	158,634
Morphic Holding, Inc.*	5,596	161,612	Series Therapeutics, Inc.*	15,065	21,091
Mural Oncology PLC*	2,488	14,729	SpringWorks Therapeutics, Inc.*	10,271	374,891
Myriad Genetics, Inc.*	12,401	237,355	Stoke Therapeutics, Inc.*	4,277	22,497
Nkarta, Inc.*			Summit Therapeutics, Inc.*		47,074
Novavax, Inc.*	4,700	31,020	Sutro Biopharma, Inc.*	18,036	
'	14,561	69,893		9,364	40,171
Nurix Therapeutics, Inc.*	7,155	73,840	Syndax Pharmaceuticals, Inc.*	10,047	217,116
Nuvalent, Inc. "A"*	4,047	297,819	Tango Therapeutics, Inc.*	6,929	68,597
Nuvectis Pharma, Inc.*	1,051	8,765			
Ocean Biomedical, Inc.*	1,342	886	Tenaya Therapeutics, Inc.*	6,815	22,081
Olema Pharmaceuticals,	4 4 5 4	E0 201	TG Therapeutics, Inc.*	20,933	357,536
Inc.*	4,154	58,281	Travere Therapeutics, Inc.*	11,110	99,879
Omega Therapeutics, Inc.*	3,788	11,402	Turnstone Biologics Corp.*	1,210	3,079

_	Shares	Value (\$)	_	Shares	Value (\$)
Twist Bioscience Corp.*	8,688	320,240	LeMaitre Vascular, Inc.	3,007	170,677
Tyra Biosciences, Inc.*	2,162	29,944	LivaNova PLC*	8,323	430,632
UroGen Pharma Ltd.*	4,140	62,100	Merit Medical Systems,		
Vanda Pharmaceuticals,			Inc.*	8,688	659,941
Inc.*	8,913	37,613	Nano-X Imaging Ltd.* (a)	7,123	45,374
Vaxcyte, Inc.*	14,363	901,996	Neogen Corp.*	33,360	670,870
Vaxxinity, Inc. "A"*	6,675	5,674	Nevro Corp.*	5,482	117,973
Vera Therapeutics, Inc.*	5,225	80,360	Omnicell, Inc.*	6,791	255,545
Veracyte, Inc.*	11,196	308,002	OraSure Technologies, Inc.*	11,020	90,364
Vericel Corp.*	7,196	256,249	Orchestra BioMed Holdings,		
Verve Therapeutics, Inc.*	7,837	109,248	Inc.*	1,933	17,648
Vigil Neuroscience, Inc.*	2,491	8,420	Orthofix Medical, Inc.*	5,447	73,426
Viking Therapeutics, Inc.*	14,553	270,831	OrthoPediatrics Corp.*	2,441	79,357
Vir Biotechnology, Inc.*	12,856	129,331	Outset Medical, Inc.*	7,633	41,295
Viridian Therapeutics, Inc.*	6,481	141,156	Paragon 28, Inc.*	6,797	84,487
Vor BioPharma, Inc.*	5,852	13,167	PROCEPT BioRobotics	0.000	055 507
Voyager Therapeutics, Inc.*	4,913	41,466	Corp.*	6,098	255,567
X4 Pharmaceuticals, Inc.*	18,973	15,909	Pulmonx Corp.*	5,702	72,701
Xencor, Inc.*	8,814	187,121	Pulse Biosciences, Inc.*	2,572	31,481
XOMA Corp.*	1,133	20,960	RxSight, Inc.*	4,292	173,053
Y-mAbs Therapeutics, Inc.*	5,581	38,062	Sanara Medtech, Inc.*	585	24,044
Zentalis Pharmaceuticals,			Semler Scientific, Inc.*	673	29,807
Inc.*	9,043	137,001	SI-BONE, Inc.*	5,959	125,079
Zura Bio Ltd.*	2,068	9,658	Sight Sciences, Inc.*	3,137	16,187
Zymeworks, Inc.*	8,283	86,060	Silk Road Medical, Inc.*	5,963	73,166
		29,048,514	STAAR Surgical Co.*	7,371	230,049
Health Care Equipment & Sup	nline 2 0%		Surmodics, Inc.*	2,096	76,190
Accuray, Inc.*	14,471	40,953	Tactile Systems Technology, Inc.*	3,597	51,437
Alphatec Holdings, Inc.*	13,866	209,515	Tela Bio, Inc.*	2,481	16,424
AngioDynamics, Inc.*	5,622	44,077	TransMedics Group, Inc.*	4,853	383,047
Artivion, Inc.*	6,036	107,924	Treace Medical Concepts,	.,000	000,017
AtriCure, Inc.*	7,163	255,647	Inc.*	6,989	89,110
Atrion Corp.	213	80,682	UFP Technologies, Inc.*	1,080	185,803
Avanos Medical, Inc.*	7,090	159,029	Utah Medical Products, Inc.	479	40,341
Axogen, Inc.*	6,094	41,622	Varex Imaging Corp.*	5,982	122,631
Axonics, Inc.*	7,597	472,761	Vicarious Surgical, Inc.*	10,942	4,012
Beyond Air, Inc.*	3,968	7,777	Zimvie, Inc.*	4,013	71,231
Butterfly Network, Inc.*	21,729	23,467	Zynex, Inc.* (a)	3,138	34,173
Cerus Corp.*	27,766	59,975	·	-	10,871,646
ClearPoint Neuro, Inc.*	3,604	24,471		0/	10,071,040
CONMED Corp.	4,687	513,273	Health Care Providers & Service		
Cutera, Inc.*	2,496	8,798	23andMe Holding Co. "A"*	44,968	41,078
CVRx, Inc.*	1,721	54,108	Accolade, Inc.*	10,045	120,640
Embecta Corp.	8,854	167,606	AdaptHealth Corp.*	14,716	107,280
Glaukos Corp.*	7,180	570,738	Addus HomeCare Corp.*	2,382	221,169
Haemonetics Corp.*	7,674	656,204	Agiliti, Inc.*	4,599	36,424
Inari Medical, Inc.*	8,189	531,630	AirSculpt Technologies, Inc.*	1,863	13,954
Inmode Ltd.*	11,890	264,434	Alignment Healthcare, Inc.*	13,324	114,720
Inogen, Inc.*	3,482	19,116	AMN Healthcare Services,	F 707	404.070
Integer Holdings Corp.*	5,073	502,633	Inc.*	5,797	434,079
iRadimed Corp.	1,136	53,926	Apollo Medical Holdings, Inc.*	6 526	250 220
iRhythm Technologies, Inc.*	4,704	503,516	Aveanna Healthcare	6,536	250,329
KORU Medical Systems,	7,704	300,010	Holdings, Inc.*	8,123	21,770
Inc.*	5,398	13,252	Brookdale Senior Living,	•	•
Lantheus Holdings, Inc.*	10,345	641,390	Inc.*	28,048	163,239
			Cano Health, Inc.*	373	2,189

	Shares	Value (\$)		Shares	Value (\$)
CareMax, Inc.*	11,674	5,816	Simulations Plus, Inc.	2,459	110,040
Castle Biosciences, Inc.*	3,852	83,126	Veradigm, Inc.*	16,632	174,470
Community Health Systems,				_	1,827,516
Inc.*	19,767	61,871	Life Sciences Tools & Services 0.4%		, , , , ,
CorVel Corp.*	1,336	330,273	Adaptive Biotechnologies		
Cross Country Healthcare,	E 207	120 150	Corp.*	17,467	85,588
Inc.*	5,307	120,150	Akoya Biosciences, Inc.*	3,812	18,603
Docgo, Inc.*	12,001	67,086 80,802	BioLife Solutions, Inc.*	5,324	86,515
Enhabit, Inc.* Fulgent Genetics, Inc.*	7,807 3,131	90,517	Codexis, Inc.*	9,273	28,283
Guardant Health, Inc.*	17,337	468,966	CryoPort, Inc.*	6,579	101,909
HealthEquity, Inc.*	12,798	848,507	Cytek Biosciences, Inc.*	18,595	169,586
Hims & Hers Health, Inc.*	18,735	166,741	Harvard Bioscience, Inc.*	6,058	32,410
InfuSystem Holdings, Inc.*	2,808	29,596	MaxCyte, Inc.*	13,792	64,822
Innovage Holding Corp.*	2,403	14,418	Mesa Laboratories, Inc.	795	83,292
Invitae Corp.* (a)	37,947	23,785	NanoString Technologies,		
LifeStance Health Group,	37,347	23,760	Inc.*	7,023	5,256
Inc.* (a)	16,283	127,496	Nautilus Biotechnology, Inc.*	7,810	23,352
ModivCare, Inc.*	1,900	83,581	OmniAb, Inc.*	14,311	88,299
National HealthCare Corp.	1,899	175,506	Pacific Biosciences of		
National Research Corp.	2,169	85,806	California, Inc.*	38,708	379,726
NeoGenomics, Inc.*	19,498	315,478	Quanterix Corp.*	5,362	146,597
OPKO Health, Inc.*	62,393	94,213	Quantum-Si, Inc.*	16,051	32,263
Option Care Health, Inc.*	25,480	858,421	Seer, Inc.*	9,110	17,673
Owens & Minor, Inc.*	11,376	219,216	SomaLogic, Inc.*	22,759	57,580
P3 Health Partners, Inc.*	6,208	8,753			1,421,754
Patterson Companies, Inc.	13,136	373,719	Pharmaceuticals 1.7%		
Pediatrix Medical Group,			Aclaris Therapeutics, Inc.*	10,759	11,297
Inc.*	12,823	119,254	Amneal Pharmaceuticals,	,	, -
PetIQ, Inc.*	4,056	80,106	Inc.*	18,922	114,857
Privia Health Group, Inc.*	17,192	395,932	Amphastar Pharmaceuticals,		
Progyny, Inc.*	12,042	447,722	Inc.*	5,813	359,534
Quipt Home Medical Corp.*	6,263	31,879	Amylyx Pharmaceuticals,	7.740	111001
RadNet, Inc.*	9,136	317,659	Inc.*	7,746	114,021
Select Medical Holdings	45 505		ANI Pharmaceuticals, Inc.*	2,256	124,396
Corp.	15,707	369,114	Arvinas, Inc.*	7,495	308,494
Surgery Partners, Inc.*	11,530	368,845	Assertio Holdings, Inc.*	13,254	14,182
The Ensign Group, Inc.	8,334	935,158	Atea Pharmaceuticals, Inc.*  Axsome Therapeutics, Inc.*	11,448	34,916
The Joint Corp.*	2,391	22,977		5,396	429,468
The Pennant Group, Inc.*	4,477	62,320	Biote Corp. "A"*	2,296	11,342
U.S. Physical Therapy, Inc.	2,256	210,124	Bright Green Corp.*  Cara Therapeutics, Inc.*	9,613	3,173 6,184
Viemed Healthcare, Inc.*	5,214	40,930	Cassava Sciences, Inc.* (a)	8,323 6,097	137,244
		9,662,734	Citius Pharmaceuticals, Inc.*	19,107	14,454
Health Care Technology 0.5%			Collegium Pharmaceutical,	19,107	14,454
American Well Corp. "A"*	38,157	56,854	Inc.*	5,351	164,704
Computer Programs &			Corcept Therapeutics, Inc.*	12,319	400,121
Systems, Inc.*	2,115	23,688	CorMedix, Inc.*	8,533	32,084
Definitive Healthcare Corp.*	6,971	69,292	Cymabay Therapeutics, Inc.*	17,244	407,303
Evolent Health, Inc. "A"*	16,861	556,919	Edgewise Therapeutics,		
Health Catalyst, Inc.*	8,396	77,747	Inc.*	6,631	72,543
HealthStream, Inc.	3,724	100,660	Enliven Therapeutics,		
Multiplan Corp.*	58,855	84,751	Inc.* (a)	3,610	49,962
OptimizeRx Corp.*	2,439	34,902	Evolus, Inc.*	6,447	67,887
Phreesia, Inc.*	8,069	186,797	Eyenovia, Inc.*	4,365	9,079
Schrodinger, Inc.*	8,340	298,572	EyePoint Pharmaceuticals, Inc.*	4,169	96,346
Sharecare, Inc.*	48,911	52,824	inc.	4,100	30,340

	Shares	Value (\$)		Shares	Value (\$)
Harmony			AerSale Corp.*	3,814	48,419
Biosciences Holdings,	4.000	100.054	Archer Aviation, Inc. "A"*	23,496	144,266
Inc.*	4,980	160,854	Astronics Corp.*	3,895	67,851
Harrow, Inc.* (a)	4,421	49,515	Cadre Holdings, Inc.	2,996	98,538
Ikena Oncology, Inc.*	3,322	6,544	Ducommun, Inc.*	2,036	105,994
Innoviva, Inc.*	9,293	149,060	Eve Holding, Inc.*	2,836	20,760
Intra-Cellular Therapies, Inc.*	14,282	1,022,877	Kaman Corp.	4,268	102,219
Ligand Pharmaceuticals, Inc.*	2,523	180,193	Kratos Defense & Security	10.470	005.040
Liquidia Corp.*	7,251	87,230	Solutions, Inc.*	19,470	395,046
Longboard Pharmaceuticals,	,,20	0.,200	Leonardo DRS, Inc.*	10,516	210,741
Inc.*	2,430	14,653	Moog, Inc. "A"	4,332	627,187
Marinus Pharmaceuticals,			National Presto Industries, Inc.	775	62,217
Inc.*	7,718	83,895	Park Aerospace Corp.	2,903	42,674
Neumora Therapeutics, Inc.*	2,268	38,669	Redwire Corp.*	1,296	3,694
NGM Biopharmaceuticals,	7.4.40	0.4.44	Rocket Lab USA, Inc.*	42,862	237,027
Inc.*	7,149	6,141	Terran Orbital Corp.*	13,779	15,708
Nuvation Bio, Inc.*	22,710	34,292	Triumph Group, Inc.*	9,704	160,892
Ocular Therapeutix, Inc.*	12,401	55,309	V2X, Inc.*	1,807	83,917
Omeros Corp.* (a)	9,449	30,898	Virgin Galactic Holdings,	1,007	00,017
Optinose, Inc.*	11,525	14,867	Inc.*	49,925	122,316
Pacira BioSciences, Inc.*	6,896	232,671		_	3,370,283
Phathom Pharmaceuticals, Inc.*	5,004	45,687			3,370,203
Phibro Animal Health Corp.	3,004	43,007	Air Freight & Logistics 0.2%		
"A"	3,254	37,681	Air Transport Services Group, Inc.*	8,496	149,615
Pliant Therapeutics, Inc.*	8,575	155,293	Forward Air Corp.	3,919	246,387
Prestige Consumer	•		Hub Group, Inc. "A"*	4,752	436,899
Healthcare, Inc.*	7,652	468,455	Radiant Logistics, Inc.*	5,901	39,183
Revance Therapeutics, Inc.*	13,382	117,628	Hadiant Logistics, Inc.	5,501	
Scilex Holding Co.*	10,126	20,657			872,084
scPharmaceuticals, Inc.*	4,473	28,046	<b>Building Products 2.0%</b>		
SIGA Technologies, Inc.	7,213	40,393	AAON, Inc.	10,364	765,589
Supernus Pharmaceuticals,	= .00		American Woodmark Corp.*	2,537	235,561
Inc.*	7,430	215,024	Apogee Enterprises, Inc.	3,342	178,496
Taro Pharmaceutical Industries Ltd.*	1,245	52,016	AZZ, Inc.	3,763	218,593
Tarsus Pharmaceuticals,	1,243	32,010	CSW Industrials, Inc.	2,365	490,525
Inc.*	4,356	88,209	Gibraltar Industries, Inc.*	4,705	371,601
Terns Pharmaceuticals, Inc.*	6,651	43,165	Griffon Corp.	6,323	385,387
Theravance Biopharma,	,,,,,	,	Insteel Industries, Inc.	2,894	110,811
Inc.* (a)	7,679	86,312	Janus International Group,	10.075	160.010
Theseus Pharmaceuticals,			Inc.*	12,875 13,074	168,019
Inc.*	3,155	12,778	JELD-WEN Holding, Inc.*	13,074	246,837
Third Harmonic Bio, Inc.*	3,024	33,173	Masonite International Corp.*	3,370	285,304
Trevi Therapeutics, Inc.*	6,548	8,774	Masterbrand, Inc.*	19,764	293,495
Ventyx Biosciences, Inc.*	6,937	17,134	PGT Innovations, Inc.*	8,729	355,270
Verrica Pharmaceuticals,	2.200	00.400	Quanex Building Products	0,720	000,270
Inc.*	3,208	23,483	Corp.	5,097	155,815
Wave Life Sciences Ltd.*	9,163	46,273	Resideo Technologies, Inc.*	22,511	423,657
Xeris Biopharma Holdings, Inc.*	20,745	48,751	Simpson Manufacturing Co.,		
Zevra Therapeutics, Inc.*	5,319	34,839	Inc.	6,530	1,292,809
Zevia merapeaties, me.			UFP Industries, Inc.	9,133	1,146,648
		6,775,030	Zurn Elkay Water Solutions	00.050	222 225
Industrials 16.7%			Corp.	22,653	666,225
Aerospace & Defense 0.9%					7,790,642
AAR Corp.*	5,111	318,926			
AeroVironment, Inc.*	3,982	501,891			

	Shares	Value (\$)		Shares	Value (\$)
Commercial Services & Supplies 1	.5%		Great Lakes Dredge & Dock	0.005	75 700
ABM Industries, Inc.	10,066	451,259	Corp.*	9,865	75,763
ACCO Brands Corp.	14,335	87,157	IES Holdings, Inc.*	1,268	100,451
ACV Auctions, Inc. "A"*	19,491	295,289	INNOVATE Corp.*	7,312	8,994
Aris Water Solutions, Inc. "A"	4,667	39,156	Limbach Holdings, Inc.*	1,418	64,476
BrightView Holdings, Inc.*	6,119	51,522	MYR Group, Inc.*	2,494	360,707
Casella Waste Systems, Inc.	,	•	Northwest Pipe Co.*	1,451	43,907
"A"*	8,642	738,545	Primoris Services Corp.	8,209	272,621
CECO Environmental Corp.*	4,588	93,045	Southland Holdings, Inc.*	574	2,962
Cimpress PLC*	2,710	216,935	Sterling Infrastructure, Inc.*	4,600	404,478
CompX International, Inc.	256	6,472	Tutor Perini Corp.*	6,356	57,840
CoreCivic, Inc.*	17,248	250,613			6,517,086
Deluxe Corp.	6,633	142,278	Floatrical Equipment 1 20/		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Ennis, Inc.	3,826	83,828	Electrical Equipment 1.3%	2.067	62 444
Enviri Corp.*	12,018	108,162	Allient, Inc.	2,067	62,444
Healthcare Services Group,	12,010	100,102	Amprius Technologies, Inc.*	844	4,465
Inc.*	11,548	119,753	Array Technologies, Inc.*	23,249	390,583
HNI Corp.	7,106	297,244	Atkore, Inc.*	5,769	923,040
Interface, Inc.	8,859	111,801	Babcock & Wilcox	0.070	10.070
LanzaTech Global, Inc.*	3,243	16,312	Enterprises, Inc.*	8,273	12,079
Li-cycle Holdings Corp.*	20,856	12,197	Blink Charging Co.*	8,433	28,588
Liquidity Services, Inc.*	3,583	61,663	Bloom Energy Corp. "A"* (a)	29,604	438,139
Matthews International	3,303	01,003	Dragonfly Energy Holdings	2.001	2.050
Corp. "A"	4,540	166,391	Corp.*	3,801	2,059
MillerKnoll, Inc.	11,240	299,883	Encore Wire Corp.	2,285	488,076
Montrose Environmental	11,240	200,000	Energy Vault Holdings, Inc.*	15,322	35,700
Group, Inc.*	4,251	136,585	EnerSys	6,274	633,423
NL Industries, Inc.	1,654	9,279	Enovix Corp.* (a)	20,992	262,820
OPENLANE, Inc.*	16,304	241,462	Eos Energy Enterprises,	10.005	10.010
Performant Financial Corp.*	10,534	32,919	Inc.* (a)	16,805	18,318
Pitney Bowes, Inc.	27,035	118,954	Ess Tech, Inc.*	14,917	17,005
Quad Graphics, Inc.*	5,260	28,509	Fluence Energy, Inc.*	8,811	210,142
SP Plus Corp.*	2,976	152,520	FTC Solar, Inc.*	10,079	6,983
Steelcase, Inc. "A"	14,245	192,520	FuelCell Energy, Inc.*	69,212	110,739
The Brink's Co.	7,074	622,158	GrafTech International, Ltd.	30,215	66,171
The GEO Group, Inc.*			LSI Industries, Inc.	4,035	56,813
•	18,302	198,211	NEXTracker, Inc. "A"*	7,594	355,779
UniFirst Corp.	2,295	419,778	NuScale Power Corp.* (a)	7,491	24,645
Viad Corp.*	3,092	111,930	Powell Industries, Inc.	1,418	125,351
VSE Corp.	1,970	127,282	Preformed Line Products Co.	386	51,670
		6,041,684	SES AI Corp.*	19,435	35,566
Construction & Engineering 1.7%			Shoals Technologies Group,		
Ameresco, Inc. "A"*	4,821	152,681	Inc. "A"*	26,304	408,764
API Group Corp.*	31,805	1,100,453	SKYX Platforms Corp.*	8,938	14,301
Arcosa, Inc.	7,433	614,263	Stem, Inc.* (a)	21,868	84,848
Argan, Inc.	1,928	90,211	SunPower Corp.* (a)	12,707	61,375
Bowman Consulting Group	1,020	00,211	Thermon Group Holdings,		
Ltd.*	1,553	55,163	Inc.*	5,103	166,205
Comfort Systems U.S.A.,	,		TPI Composites, Inc.*	6,530	27,034
Inc.	5,415	1,113,703	Vicor Corp.*	3,417	153,560
Concrete Pumping Holdings,					5,276,685
Inc.*	3,638	29,832	Ground Transportation 0 50/		
Construction Partners, Inc.			Ground Transportation 0.5%	2 622	42E E21
"A"*	6,170	268,518	ArcBest Corp.	3,623	435,521
Dycom Industries, Inc.*	4,398	506,166	Covenant Logistics Group, Inc.	1,274	58,655
Fluor Corp.*	21,718	850,694	Daseke, Inc.*	6,511	52,739
Granite Construction, Inc.	6,748	343,203	FTAI Infrastructure, Inc.	15,597	
			i iAi iiiiastiucture, iffc.	10,097	60,672

	Shares	Value (\$)		Shares	Value (\$)
Heartland Express, Inc.	7,185	102,458	Nikola Corp.*	94,664	82,812
Marten Transport Ltd.	8,934	187,435	Omega Flex, Inc.	531	37,441
P.A.M. Transportation			Park-Ohio Holdings Corp.	1,306	35,210
Services, Inc.*	1,054	21,902	Proto Labs, Inc.*	4,040	157,398
RXO, Inc.*	17,851	415,214	REV Group, Inc.	4,931	89,596
TuSimple Holdings, Inc. "A"*	25,708	22,567	Shyft Group, Inc.	5,297	64,729
Universal Logistics Holdings, Inc.	1,097	30,738	SPX Technologies, Inc.*	6,756	682,424
Werner Enterprises, Inc.	9,673	409,845	Standex International Corp.	1,782	282,233
Werner Enterprises, inc.	9,075		Tennant Co.	2,805	259,995
		1,797,746	Terex Corp.	10,106	580,691
Industrial Conglomerates 0.0%			The Manitowoc Co., Inc.*	5,315	88,707
Brookfield Business			Titan International, Inc.*	8,089	120,364
Corp. "A"	3,967	92,352	Trinity Industries, Inc.	12,309	327,296
Machinery 3.4%			Velo3D, Inc.*	13,864	5,512
374Water, Inc.*	9,195	13,057	Wabash National Corp.	6,972	178,623
3D Systems Corp.*	19,898	126,352	Watts Water Technologies,	4 101	071 070
Alamo Group, Inc.	1,536	322,852	Inc. "A"	4,181	871,070
Albany International Corp.					13,593,819
"A"	4,734	464,974	Marine Transportation 0.3%		
Astec Industries, Inc.	3,452	128,414	Costamare, Inc.	7,109	74,005
Barnes Group, Inc.	7,414	241,919	Eagle Bulk Shipping, Inc.	1,424	78,890
Blue Bird Corp.*	3,845	103,661	Genco Shipping & Trading		
Chart Industries, Inc.*	6,549	892,825	Ltd.	6,333	105,064
Columbus McKinnon Corp.	4,315	168,371	Golden Ocean Group Ltd.	18,848	183,957
Commercial Vehicle Group,	F 00F	05.040	Himalaya Shipping Ltd.*	4,031	27,250
Inc.*	5,085	35,646	Matson, Inc.	5,234	573,646
Desktop Metal, Inc. "A"* (a)	43,595	32,740	Pangaea Logistics Solutions		
Douglas Dynamics, Inc.	3,462	102,752	Ltd.	5,472	45,089
Energy Recovery, Inc.*	8,582	161,685	Safe Bulkers, Inc.	10,396	40,856
Enerpac Tool Group Corp.	8,265	256,959			1,128,757
Enpro, Inc.	3,172	497,179	Passenger Airlines 0.4%		
ESCO Technologies, Inc.	3,874	453,374	Allegiant Travel Co.	2,375	196,199
Federal Signal Corp.	9,149	702,094	Blade Air Mobility, Inc.*	9,256	32,674
Franklin Electric Co., Inc.	7,073	683,606	Frontier Group Holdings,		
Gencor Industries, Inc.* Gorman-Rupp Co.	1,639 3,485	26,454 123,822	Inc.*	5,252	28,676
Greenbrier Companies, Inc.	4,703	207,779	Hawaiian Holdings, Inc.*	7,740	109,908
Helios Technologies, Inc.	5,075	230,151	JetBlue Airways Corp.*	51,408	285,314
Hillenbrand, Inc.	10,725	513,191	Joby Aviation, Inc.* (a)	42,735	284,188
Hillman Solutions Corp.*	29,631	272,902	SkyWest, Inc.*	6,151	321,082
Hyliion Holdings Corp.*	23,005	18,719	Spirit Airlines, Inc.	16,924	277,384
Hyster-Yale Materials	25,005	10,713	Sun Country Airlines	= 000	
Handling, Inc.	1,681	104,541	Holdings, Inc.*	5,829	91,690
John Bean Technologies	•				1,627,115
Corp.	4,884	485,714	Professional Services 2.5%		
Kadant, Inc.	1,786	500,634	Alight, Inc. "A"*	62,950	536,963
Kennametal, Inc.	12,162	313,658	ASGN, Inc.*	7,181	690,597
Lindsay Corp.	1,677	216,601	Asure Software, Inc.*	3,563	33,920
Luxfer Holdings PLC	4,237	37,879	Barrett Business Services,		
Mayville Engineering Co.,			Inc.	1,007	116,611
Inc.*	1,757	25,336	Blacksky Technology, Inc.*	18,235	25,529
Microvast Holdings, Inc.*	32,815	45,941	CBIZ, Inc.*	7,252	453,903
Miller Industries, Inc.	1,713	72,443	Conduent, Inc.*	27,028	98,652
Mueller Industries, Inc.	17,142	808,245	CRA International, Inc.	1,048	103,595
Mueller Water Products, Inc. "A"	23,420	337,248	CSG Systems International,	4 755	050 044
	20,420	557,240	Inc.	4,755	253,014

_	Shares	Value (\$)	_	Shares	Value (\$)
ExlService Holdings, Inc.*	24,571	758,015	Hudson Technologies, Inc.*	6,658	89,816
Exponent, Inc.	7,691	677,116	Karat Packaging, Inc.	992	24,651
First Advantage Corp.	8,420	139,519	McGrath RentCorp.	3,790	453,360
FiscalNote Holdings, Inc.*	9,652	11,003	MRC Global, Inc.*	12,971	142,811
Forrester Research, Inc.*	1,716	46,006	NOW, Inc.*	16,098	182,229
Franklin Covey Co.*	1,809	78,746	Rush Enterprises, Inc. "A"	9,313	468,444
Heidrick & Struggles	.,000	70,710	Rush Enterprises, Inc. "B"	1,447	76,662
International, Inc.	2,982	88,058	Textainer Group Holdings	.,	70,002
HireQuest, Inc.	827	12,694	Ltd.	6,160	303,072
HireRight Holdings Corp.*	2,355	31,675	Titan Machinery, Inc.*	3,186	92,012
Huron Consulting Group,			Transcat, Inc.*	1,236	135,132
Inc.*	2,926	300,793	Willis Lease Finance Corp.*	452	22,094
IBEX Holdings Ltd.*	1,353	25,721	Xometry, Inc. "A"* (a)	5,266	189,102
ICF International, Inc.	2,834	380,011	•	_	7,973,249
Innodata, Inc.*	3,892	31,681		-0/	7,373,243
Insperity, Inc.	5,408	633,926	Information Technology 13.	3%	
Kelly Services, Inc. "A"	4,671	100,987	Communications Equipment 0.6	6%	
Kforce, Inc.	2,877	194,370	ADTRAN Holdings, Inc.	12,102	88,829
Korn Ferry	8,008	475,275	Aviat Networks, Inc.*	1,723	56,273
Legalzoom.com, Inc.*	17,973	203,095	Calix, Inc.*	9,062	395,919
Maximus, Inc.	9,316	781,240	Cambium Networks Corp.*	2,026	12,156
Mistras Group, Inc.*	3,315	24,266	Clearfield, Inc.*	2,039	59,294
NV5 Global, Inc.*	2,126	236,241	CommScope Holding Co.,	_,	
Parsons Corp.*	6,306	395,449	Inc.*	30,567	86,199
Planet Labs PBC*	26,225	64,776	Comtech		
Resources Connection, Inc.	5,033	71,318	Telecommunications Corp.	4,253	35,853
Skillsoft Corp.*	588	10,337	Digi International, Inc.*	5,383	139,958
Sterling Check Corp.*	4,908	68,319	DZS, Inc.*	3,116	6,138
TriNet Group, Inc.*	4,865	578,594	Extreme Networks, Inc.*	19,373	341,740
TrueBlue, Inc.*	4,745	72,788	Harmonic, Inc.*	16,881	220,128
TTEC Holdings, Inc.	3,010	65,227	Infinera Corp.*	30,593	145,317
9 .			KVH Industries, Inc.*	2,703	14,218
Upwork, Inc.*	18,963	281,980	NETGEAR, Inc.*	4,531	66,062
Verra Mobility Corp.*	21,417	493,233	NetScout Systems, Inc.*	10,542	231,397
Willdan Group, Inc.*	1,773	38,119	Ribbon Communications,		
		9,683,362	Inc.*	13,542	39,272
Trading Companies & Distribut	tors 2.0%		Viavi Solutions, Inc.*	33,979	342,168
Alta Equipment Group, Inc.	3,466	42,874		_	2,280,921
Applied Industrial			Electronic Equipment, Instrume	nte &	
Technologies, Inc.	5,867	1,013,172	Components 2.7%	iits &	
Beacon Roofing Supply,			908 Devices, Inc.*	3,218	36,106
Inc.*	8,813	766,907	Advanced Energy Industries,	0,2.0	33,.33
BlueLinx Holdings, Inc.*	1,278	144,810	Inc.	5,772	628,686
Boise Cascade Co.	6,075	785,862	Aeva Technologies, Inc.*	10,846	8,218
Custom Truck One Source,	0.700	E4 107	Akoustis Technologies, Inc.*	10,563	8,809
Inc.*	8,760	54,137	Arlo Technologies, Inc.*	13,798	131,357
Distribution Solutions Group, Inc.*	1,408	44,437	Badger Meter, Inc.	4,467	689,571
			Bel Fuse, Inc. "B"	1,609	107,433
DXP Enterprises, Inc.*	2,062	69,489	Belden, Inc.	6,527	504,211
EVI Industries, Inc.	736	17,465	Benchmark Electronics, Inc.	5,430	150,085
FTAI Aviation Ltd.	15,232	706,765	Climb Global Solutions, Inc.	634	34,762
GATX Corp.	5,445	654,598	CTS Corp.	4,738	207,240
Global Industrial Co.	2,027	78,729	Daktronics, Inc.*	5,820	49,354
GMS, Inc.*	6,221	512,797	ePlus, Inc.*	5,820 4,043	
H&E Equipment Services,	4.006	256 602		4,043	322,793
Inc.	4,906	256,682	Evolv Technologies Holdings, Inc.*	17,646	83,289
Herc Holdings, Inc.	4,333	645,140		17,040	50,200

_	Shares	Value (\$)		Shares	Value (\$)
Fabrinet*	5,609	1,067,561	Semiconductors & Semiconductor		
FARO Technologies, Inc.*	2,722	61,327	Equipment 3.0%		
Insight Enterprises, Inc.*	4,365	773,434	ACM Research, Inc. "A"*	7,217	141,020
Iteris, Inc.*	6,498	33,790	AehrTest Systems*	4,197	111,346
Itron, Inc.*	6,979	526,984	Alpha & Omega		
Kimball Electronics, Inc.*	3,660	98,637	Semiconductor Ltd.*	3,664	95,484
Knowles Corp.*	13,684	245,080	Ambarella, Inc.*	5,834	357,566
Lightwave Logic, Inc.* (a)	17,659	87,942	Amkor Technology, Inc.	17,133	570,015
Luna Innovations, Inc.*	4,968	33,037	Atomera, Inc.*	2,972	20,834
Methode Electronics, Inc.	5,173	117,582	Axcelis Technologies, Inc.*	4,962	643,522
MicroVision, Inc.* (a)	28,883	76,829	CEVA, Inc.*	3,481	79,053
Mirion Technologies, Inc.*	30,305	310,626	Cohu, Inc.*	7,073	250,313
Napco Security			Credo Technology Group	47 400	0.40.400
Technologies, Inc.	5,039	172,586	Holding Ltd.*	17,468	340,102
nLight, Inc.*	6,789	91,651	Diodes, Inc.*	6,876	553,656
Novanta, Inc.*	5,446	917,161	FormFactor, Inc.*	11,813	492,720
OSI Systems, Inc.*	2,445	315,527	Ichor Holdings Ltd.*	4,344	146,089
PAR Technology Corp.*	4,052	176,424	Impinj, Inc.*	3,563	320,777
PC Connection, Inc.	1,763	118,491	indie Semiconductor, Inc. "A"*	22.004	105 670
Plexus Corp.*	4,197	453,822		22,894	185,670
Presto Automation, Inc.*	879	467	inTEST Corp.*	1,641	22,318
Richardson Electronics Ltd.	1,823	24,337	Kulicke & Soffa Industries, Inc.	8,401	459,703
Rogers Corp.*	2,654	350,514	MACOM Technology	0,401	433,703
Sanmina Corp.*	8,594	441,474	Solutions Holdings, Inc.*	8,269	768,604
ScanSource, Inc.*	3,721	147,389	Maxeon Solar Technologies	-,	
SmartRent, Inc.*	28,657	91,416	Ltd.*	4,381	31,412
TTM Technologies, Inc.*	15,849	250,573	MaxLinear, Inc.*	11,504	273,450
Vishay Intertechnology, Inc.	19,803	474,678	Navitas Semiconductor		
Vishay Precision Group,			Corp.*	16,957	136,843
Inc.*	1,894	64,529	NVE Corp.	731	57,332
Vuzix Corp.* (a)	8,950	18,661	Onto Innovation, Inc.*	7,456	1,140,022
		10,504,443	PDF Solutions, Inc.*	4,695	150,897
IT Services 0.5%			Photronics, Inc.*	9,396	294,753
Applied Digital Corp.*	12,413	83,664	Power Integrations, Inc.	8,700	714,357
BigBear.ai Holdings, Inc.*	4,361	9,333	Rambus, Inc.*	16,609	1,133,564
BigCommerce Holdings,	.,	5,555	Semtech Corp.*	9,683	212,155
Inc.Series 1*	10,268	99,908	Silicon Laboratories, Inc.*	4,834	639,393
Brightcove, Inc.*	6,293	16,299	SiTime Corp.*	2,637	321,925
Couchbase, Inc.*	5,264	118,545	SkyWater Technology, Inc.*	2,807	27,003
DigitalOcean Holdings, Inc.*	9,720	356,627	SMART Global Holdings,		
Fastly, Inc. "A"*	18,479	328,926	Inc.*	7,349	139,117
Grid Dynamics Holdings,			Synaptics, Inc.*	6,048	689,956
Inc.*	8,379	111,692	Transphorm, Inc.*	4,330	15,804
Information Services Group,			Ultra Clean Holdings, Inc.*	6,763	230,889
Inc.	5,892	27,751	Veeco Instruments, Inc.*	7,716	239,427
Perficient, Inc.*	5,264	346,476			12,007,091
Rackspace Technology, Inc.*	8,271	16,542	Software 5.8%		
Squarespace, Inc. "A"*	7,653	252,625	8x8, Inc.*	18,299	69,170
The Hackett Group, Inc.	3,832	87,255	A10 Networks, Inc.	10,719	141,169
Thoughtworks Holding, Inc.*	14,400	69,264	ACI Worldwide, Inc.*	16,586	507,532
Tucows, Inc. "A"*	1,493	40,311	Adeia, Inc.	16,393	203,109
Unisys Corp.*	10,668	59,954	Agilysys, Inc.*	3,052	258,871
		2,025,172	Alarm.com Holdings, Inc.*	7,335	473,988
			Alkami Technology, Inc.*	6,090	147,682
			Altair Engineering, Inc. "A"*	8,284	697,099
			Jg/ / .	-,	,000

_	Shares	Value (\$)		Shares	Value (\$)
American Software, Inc. "A"	5,096	57,585	PowerSchool Holdings, Inc.		
Amplitude, Inc. "A"*	10,447	132,886	"A"*	8,536	201,108
Appfolio, Inc. "A"*	2,936	508,633	Progress Software Corp.	6,663	361,801
Appian Corp. "A"*	6,320	238,011	PROS Holdings, Inc.*	6,812	264,237
Asana, Inc. "A"* (a)	12,360	234,964	Q2 Holdings, Inc.*	8,637	374,932
Aurora Innovation, Inc.*	51,570	225,361	Qualys, Inc.*	5,657	1,110,356
Avepoint, Inc.*	22,421	184,076	Rapid7, Inc.*	9,190	524,749
Bit Digital, Inc.* (a)	13,170	55,709	Red Violet, Inc.*	1,699	33,929
Blackbaud, Inc.*	6,663	577,682	Rimini Street, Inc.*	8,204	26,827
BlackLine, Inc.*	8,643	539,669	Riot Platforms, Inc.* (a)	28,967	448,119
Box, Inc. "A"*	21,584	552,766	Sapiens International Corp.		
Braze, Inc. "A"*	8,021	426,156	NV	4,723	136,684
C3.ai, Inc. "A"*	12,390	355,717	SEMrush Holdings, Inc. "A"*	4,843	66,155
Cerence, Inc.*	6,165	121,204	Solarwinds Corp.*	7,816	97,622
Cipher Mining, Inc.* (a)	6,948	28,695	SoundHound AI, Inc. "A"* (a)	21,790	46,195
Cleanspark, Inc.*	22,759	251,032	SoundThinking, Inc.*	1,538	39,280
Clear Secure, Inc. "A"	12,633	260,871	Sprinklr, Inc. "A"*	16,194	194,976
		537,470	Sprout Social, Inc. "A"*	7,325	450,048
CommVault Systems, Inc.*	6,731	557,470	SPS Commerce, Inc.*	5,580	1,081,627
Consensus Cloud Solutions, Inc.*	3,052	79,993	Tenable Holdings, Inc.*	17,380	800,523
CoreCard Corp.*	1,096	15,158	Terawulf, Inc.*	22,659	54,382
CS Disco, Inc.*	3,737	28,364	Varonis Systems, Inc.*	16,625	752,780
	294	26,304 379	Verint Systems, Inc.*	9,634	260,407
CXApp, Inc.*			Veritone, Inc.*	4,002	7,244
Digimarc Corp.*	2,086	75,346	Viant Technology, Inc. "A"*	2,650	18,258
Digital Turbine, Inc.*	14,608	100,211	Weave Communications,	2,000	10,230
Domo, Inc. "B"*	4,925	50,678	Inc.*	5,061	58,050
E2open Parent Holdings,	26.244	115 650	Workiva, Inc.*	7,559	767,465
Inc.*	26,344	115,650	Xperi, Inc.*	6,290	69,316
eGain Corp.*	2,965	24,698	Yext, Inc.*	16,498	97,173
Enfusion, Inc. "A"*	5,457	52,933	Zeta Global Holdings Corp.	10,400	07,170
EngageSmart, Inc.*	7,412	169,735	"A"*	21,152	186,561
Envestnet, Inc.*	7,609	376,798	Zuora, Inc. "A"*	19,969	187,709
Everbridge, Inc.*	6,283	152,740	Edera, mer 7 t	. 0,000	
EverCommerce, Inc.*	3,690	40,701			22,792,368
Expensify, Inc. "A"*	8,555	21,131	Technology Hardware, Storage &		
Freshworks, Inc. "A"*	24,823	583,092	Peripherals 0.7%		
Instructure Holdings, Inc.*	2,992	80,814	Composecure, Inc.* (a)	2,580	13,932
Intapp, Inc.*	4,183	159,038	Corsair Gaming, Inc.*	5,735	80,863
InterDigital, Inc.	4,008	435,028	CPI Card Group, Inc.*	677	12,992
Jamf Holding Corp.*	10,728	193,748	Eastman Kodak Co.*	8,309	32,405
Kaltura, Inc.*	12,861	25,079	Immersion Corp.	4,697	33,161
LivePerson, Inc.*	11,893	45,074	Intevac, Inc.*	3,996	17,263
LiveRamp Holdings, Inc.*	10,073	381,565	IonQ, Inc.*	24,724	306,330
Marathon Digital Holdings,			Super Micro Computer, Inc.*	7,074	2,010,855
Inc.* (a)	32,442	762,063	Turtle Beach Corp.*	2,545	27,868
Matterport, Inc.*	38,484	103,522	Xerox Holding Corp.	17,748	325,321
MeridianLink, Inc.*	4,032	99,873			2,860,990
MicroStrategy, Inc. "A"* (a)	1,861	1,175,445			2,000,330
Mitek Systems, Inc.*	6,608	86,168	Materials 4.4%		
Model N, Inc.*	5,720	154,040	Chemicals 1.9%		
N-able, Inc.*	10,710	141,907	AdvanSix, Inc.	4,083	122,327
NextNav, Inc.*	8,270	36,801	American Vanguard Corp.	4,134	45,350
Olo, Inc. "A"*	16,031	91,697	Aspen Aerogels, Inc.*	7,886	124,441
ON24, Inc.	5,006	39,447	Avient Corp.	13,699	569,467
OneSpan, Inc.*	6,282	67,343	Balchem Corp.	4,854	722,032
PagerDuty, Inc.*	13,844	320,489	Cabot Corp.	8,473	707,495
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	Shares	Value (\$)		Shares	Value (\$)
Core Molding Technologies,			Commercial Metals Co.	17,817	891,563
Inc.*	1,251	23,181	Compass Minerals		
Danimer Scientific, Inc.*	12,324	12,570	International, Inc.	5,257	133,107
Ecovyst, Inc.*	13,865	135,461	Constellium SE*	19,676	392,733
H.B. Fuller Co.	8,280	674,075	Contango ORE, Inc.*	1,115	20,193
Hawkins, Inc.	2,974	209,429	Dakota Gold Corp.*	8,704	22,804
Ingevity Corp.*	5,648	266,699	Haynes International, Inc.	1,942	110,791
Innospec, Inc.	3,810	469,544	Hecla Mining Co.	93,691	450,654
Intrepid Potash, Inc.*	1,621	38,726	i-80 Gold Corp.*	29,731	52,327
Koppers Holdings, Inc.	3,105	159,038	Ivanhoe Electric, Inc.*	9,465	95,407
Kronos Worldwide, Inc.	3,387	33,667	Kaiser Aluminum Corp.	2,388	170,002
Livent Corp.* (a)	27,459	493,713	Materion Corp.	3,139	408,478
LSB Industries, Inc.*	8,076	75,188	NioCorp. Developments Ltd.*	771	2,460
Mativ Holdings, Inc.	8,335	127,609	Novagold Resources, Inc.*	36,941	138,159
Minerals Technologies, Inc. Origin Materials, Inc.*	5,000	356,550	Olympic Steel, Inc.	1,540	102,718
Orion SA	16,088	13,453	Perpetua Resources Corp.*	5,823	18,459
Perimeter Solutions SA*	8,525	236,398	Piedmont Lithium, Inc.*	2,793	78,846
	23,826	109,600	Ramaco Resources, Inc. "A"	3,340	57,381
PureCycle Technologies, Inc.* (a)	17,153	69,470	Ramaco Resources, Inc. "B"	736	9,796
Quaker Chemical Corp.	2,129	454,371	Ryerson Holding Corp.	4,259	147,702
Rayonier Advanced	27.20	.0 .,0 , .	Schnitzer Steel Industries,	.,200	, , 52
Materials, Inc.*	9,680	39,204	Inc. "A"	3,951	119,162
Sensient Technologies Corp.	6,437	424,842	SunCoke Energy, Inc.	12,900	138,546
Stepan Co.	3,235	305,869	TimkenSteel Corp.*	6,646	155,849
Trinseo PLC	5,227	43,750	Tredegar Corp.	4,170	22,560
Tronox Holdings PLC	18,014	255,078	Warrior Met Coal, Inc.	7,913	482,456
Valhi, Inc.	300	4,557	Worthington Steel, Inc.*	4,733	132,997
		7,323,154			7,132,435
Construction Materials 0.3%			Paper & Forest Products 0.1%		
Knife River Corp.*	8,671	573,847	Clearwater Paper Corp.*	2,551	92,142
Summit Materials, Inc. "A"*	18,156	698,280	Glatfelter Corp.*	7,634	14,810
United States Lime &	,	, , , , , ,	Sylvamo Corp.	5,400	265,194
Minerals, Inc.	300	69,105	,	_	372,146
		1,341,232	Real Estate 6.0%		372,140
Containers & Packaging 0.3%					
Greif, Inc. "A"	3,725	244,323	Diversified REITs 0.6%	11.000	000 750
Greif, Inc. "B"	801	52,874	Alexander & Baldwin, Inc.	11,028	209,753
Myers Industries, Inc.	5,536	108,229	Alpine Income Property Trust, Inc.	1,981	33,499
O-I Glass, Inc*	23,929	391,957	American Assets Trust, Inc.	7,430	167,249
Pactiv Evergreen, Inc.	5,940	81,437	Armada Hoffler Properties,	7,400	107,240
Ranpak Holdings Corp.*	6,325	36,812	Inc.	10,273	127,077
TriMas Corp.	6,337	160,516	Broadstone Net Lease, Inc.	28,761	495,265
	_	1,076,148	CTO Realty Growth, Inc.	3,360	58,229
Metale 9 Mining 1 00/		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Empire State Realty Trust,		
Metals & Mining 1.8%			Inc. "A"	19,973	193,538
5E Advanced Materials, Inc.*	6,744	9,509	Essential Properties Realty		
Alpha Metallurgical	0,7 11	0,000	Trust, Inc.	23,870	610,117
Resources, Inc.	1,759	596,160	Gladstone Commercial Corp.	6,259	82,869
Arch Resources, Inc.	2,741	454,842	Global Net Lease, Inc.	30,025	298,749
ATI, Inc.*	19,621	892,167	NexPoint Diversified Real Estate Trust	4,853	38,581
Caledonia Mining Corp. PLC	2,382	29,060	One Liberty Properties, Inc.	4,853 2,318	50,787
Carpenter Technology Corp.	7,478	529,442	оне шветту гторениев, ПС.	۷,۵۱٥ _	
Century Aluminum Co.*	8,138	98,795			2,365,713
Coeur Mining, Inc.*	51,322	167,310			

_	Shares	Value (\$)		Shares	Value (\$)
Health Care REITs 0.6%			Piedmont Office Realty Trust,	18,959	134,799
CareTrust REIT, Inc.	15,381	344,227	Postal Realty Trust, Inc. "A"	2,878	41,904
Community Healthcare Trust,			SL Green Realty Corp. (a)	9,949	449,396
Inc.	4,097	109,144	3L dieen nearly corp. (a)	3,343	
Diversified Healthcare Trust	36,212	135,433			2,916,341
Global Medical REIT, Inc.	9,328	103,541	Real Estate Management &		
LTC Properties, Inc.	6,227	200,011	Development 0.8%		
National Health Investors, Inc.	6,342	354,201	American Realty Investors, Inc.*	100	1,741
Physicians Realty Trust	36,053	479,865	Anywhere Real Estate, Inc.*	16,312	132,290
Sabra Health Care REIT, Inc.	35,532	507,042	Compass, Inc. "A"*	43,245	162,601
Universal Health Realty	,	, ,	Cushman & Wakefield PLC*	25,557	276,016
Income Trust	1,986	85,894	DigitalBridge Group, Inc.	24,872	436,255
	_	2,319,358	Douglas Elliman, Inc.	11,619	34,276
		2,313,330	eXp World Holdings, Inc. (a)	11,013	171,093
Hotel & Resort REITs 0.8%			Forestar Group, Inc.*	2,832	93,654
Apple Hospitality REIT, Inc.	33,022	548,495	FRP Holdings, Inc.*		
Braemar Hotels & Resorts,				1,018	64,012
Inc.	9,986	24,965	Kennedy-Wilson Holdings, Inc.	18,187	225,155
Chatham Lodging Trust	7,282	78,063	Marcus & Millichap, Inc.	3,651	159,476
DiamondRock Hospitality	00.000	000 007	Maui Land & Pineapple Co.,	3,001	155,470
Co.	32,022	300,687	Inc.*	1,228	19,513
Pebblebrook Hotel Trust	18,152	290,069	Newmark Group, Inc. "A"	21,214	232,505
RLJ Lodging Trust	23,616	276,780	Opendoor Technologies,	21,217	202,000
Ryman Hospitality Properties, Inc.	8,899	979.424	Inc.*	83,868	375,729
Service Properties Trust	24,967	213,218	RE/MAX Holdings, Inc. "A"	2,616	34,871
Summit Hotel Properties,	24,907	213,210	Redfin Corp.* (a)	16,656	171,890
Inc.	16,063	107,943	Star Holdings*	1,758	26,335
Sunstone Hotel Investors,		,	Stratus Properties, Inc.*	861	24,848
Inc.	32,091	344,336	Tejon Ranch Co.*	3,236	55,659
Xenia Hotels & Resorts, Inc.	16,374	223,014	The RMR Group, Inc. "A"	2,457	69,361
	_	3,386,994	The St. Joe Co.	5,223	314,320
Industrial REITs 0.5%		2,000,000	Transcontinental Realty		
Innovative Industrial			Investors, Inc.*	151 _	5,219
Properties, Inc.	4,294	432,921			3,086,819
LXP Industrial Trust	44,603	442,462	Residential REITs 0.4%		
Plymouth Industrial REIT,	11,000	112,102	Apartment Investment and		
Inc.	6,761	162,737	Management Co. "A" *	22,668	177,490
Terreno Realty Corp.	12,587	788,827	BRT Apartments Corp.	1,764	32,793
, ,	_	1,826,947	Centerspace	2,286	133,045
		1,020,347	Clipper Realty, Inc.	1,682	9,083
Office REITs 0.7%			Elme Communities	13,344	194,822
Brandywine Realty Trust	25,969	140,233	Independence Realty Trust,	. 0,0	,
City Office REIT, Inc.	6,317	38,597	Inc.	34,367	525,815
COPT Defense Properties	17,349	444,655	NexPoint Residential Trust,		
Douglas Emmett, Inc.	24,582	356,439	Inc.	3,476	119,679
Easterly Government	14.001	100 007	UMH Properties, Inc.	9,015	138,110
Properties, Inc.	14,601	196,237	Veris Residential, Inc.	12,056	189,641
Equity Commonwealth	15,536	298,291		_	1,520,478
Hudson Pacific Properties, Inc.	20,732	193,015	Poto:il DEITo 1 29/		1,020,110
JBG SMITH Properties	15,435	262,549	Retail REITs 1.2%	14157	240 527
Office Properties Income	10,430	202,549	Acadia Realty Trust	14,157	240,527
Trust	7,334	53,685	Alexander's, Inc.	332	70,905
Orion Office REIT, Inc.	8,668	49,581	Cbl & Associates Properties, Inc.	4,032	98,461
Paramount Group, Inc.	28,261	146,109	Getty Realty Corp.	7,158	209,157
Peakstone Realty Trust (a)	5,562	110,851	Inventrust Properties Corp.	10,319	261,484
11.2.2.2.1.2.1.1	3,332	3,00 .	ontract reported corp.	10,010	201,404

_	Shares	Value (\$)		Shares	Value (\$)
Kite Realty Group Trust	33,374	762,930	Multi-Utilities 0.4%		
NETSTREIT Corp.	10,455	186,622	Avista Corp.	11,728	419,159
Phillips Edison & Co., Inc.	18,053	658,573	Black Hills Corp.	10,298	555,577
Retail Opportunity			Northwestern Energy Group,	,	222,011
Investments Corp.	18,617	261,197	Inc.	9,336	475,109
Saul Centers, Inc.	1,794	70,450	Unitil Corp.	2,456	129,112
SITE Centers Corp.	29,221	398,282			1,578,957
Tanger, Inc.	15,684	434,761	M-4 14:14: 0.40/		1,070,007
The Macerich Co.	32,837	506,675	Water Utilities 0.4%	Г 000	455,000
Urban Edge Properties	17,447	319,280	American States Water Co.	5,666	455,660
Whitestone REIT	7,547	92,753	Artesian Resources Corp. "A"	1,343	55,667
		4,572,057	Cadiz, Inc.*	6,416	17,965
Specialized REITs 0.4%			California Water Service	-,	,
Farmland Partners, Inc.	6,711	83,753	Group	8,846	458,842
Four Corners Property Trust,			Consolidated Water Co., Ltd.	2,296	81,738
Inc.	13,657	345,522	Global Water Resources, Inc.	1,753	22,929
Gladstone Land Corp.	5,143	74,316	Middlesex Water Co.	2,665	174,877
Outfront Media, Inc.	22,602	315,524	Pure Cycle Corp.*	3,082	32,269
PotlatchDeltic Corp.	12,098	594,012	SJW Group	4,889	319,496
Safehold, Inc.	7,383	172,762	York Water Co.	2,190	84,578
Uniti Group, Inc.	36,329	209,982			1,704,021
		1,795,871	Total Common Stocks (Cost \$337,8	22 027)	386,744,438
Utilities 2.7%			iotal Common Stocks (Cost \$557,6.	32,327)	300,744,430
Electric Utilities 0.7%					
ALLETE, Inc.	8,820	539,431	Other Investments 0.0%		
Genie Energy Ltd. "B"	3,046	85,684	Health Care 0.0%		
MGE Energy, Inc.	5,580	403,490			
Otter Tail Corp.	6,318	536,840	Life Sciences Tools & Services 0.0%		
PNM Resources, Inc.	13,128	546,125	OmniAb, Inc.	862	0
Portland General Electric Co.	15,429	668,693	\$12.50 Earnout* (b) (c) OmniAb, Inc.	802	U
Tordana General Electric Co.	10,120	2,780,263	\$15.00 Earnout* (b) (c)	862	0
0 11/11/1 0 00/		2,760,203	Total Other Investments (Cost \$0)		0
Gas Utilities 0.9%			iotal Other investments (Cost 40)		U
Brookfield Infrastructure Corp. "A"	18,352	647,458			
Chesapeake Utilities Corp.	3,219	340,023	Rights 0.0%		
New Jersey Resources	5,215	340,023	Health Care		
Corp.	14.750	657,555		0.000	0
Northwest Natural Holding	,,	007,000	Aduro Biotech, Inc.* (b)	2,328	0
Co.	5,446	212,067	Cartesian Therapeutics, Inc.* (b)	17,902	3,222
ONE Gas, Inc.	8,405	535,567	Chinook Therapeutics,	17,302	3,222
RGC Resources, Inc.	1,240	25,222	Inc.* (b)	8,604	3,356
Southwest Gas Holdings,			GTX, Inc.* (a) (b)	123	252
Inc.	9,456	599,037	Tobira Therapeutics, Inc.* (b)	1,687	101
Spire, Inc.	7,882	491,364		.,,,,,	
		3,508,293	Total Rights (Cost \$6,527)		6,931
Independent Power & Renewal	ole Electricity				
Producers 0.3%			Warrants 0.0%		
Altus Power, Inc.*	10,001	68,307	Health Care		
Montauk Renewables, Inc.*	10,307	91,835			
Ormat Technologies, Inc.	8,125	615,794	Cassava Sciences, Inc., Expiration Date		
Sunnova Energy		0.45	11/15/2024* (b) (Cost \$0)	2,439	14,770
International, Inc.* (a)	16,196	246,989			
		1,022,925			

	Principal	) ( ) ( ) ( )	_	Shares	Value (\$)
_	Amount (\$)	Value (\$)	Cash Equivalents 1.6%		
Government & Agency	<b>Obligations (</b>	0.1%	DWS Central Cash		
U.S. Treasury Obligations U.S. Treasury Bills, 5.295% (d), 4/11/2024 (e)	-		Management Government Fund, 5.38% (f) (Cost \$6,216,347)	6,216,347	6,216,347
(Cost \$389,192)	395,000	389,310			
, ,	,	•		% of	
	Shares	Value (\$)		Net Assets	Value (\$)
Securities Lending Coll	ateral 3.0%		Total Investment Portfolio (Cost \$356,480,560)	103.0	405,407,363
DWS Government & Agency Securities Portfolio "DWS Government Cash			Other Assets and Liabilities, Net	(3.0)	(11,978,511)
Institutional Shares", 5.27% (f) (g)			Net Assets	100.0	393,428,852
(Cost \$12,035,567)	12,035,567	12,035,567			

A summary of the Fund's transactions with affiliated investments during the year ended December 31, 2023 are as follows:

Value (\$) at 12/31/2022	Purchases Cost (\$)	Sales Proceeds (\$)	Net Realized Gain/ (Loss) (\$)	Net Change in Unrealized Appreciation (Depreciation) (\$)	Income (\$)	Capital Gain Distributions (\$)	Number of Shares at 12/31/2023	Value (\$) at 12/31/2023
Securities Lendin	ng Collateral 3.0%	<b>%</b>						
DWS Government 5.27% (f) (g)	t & Agency Securi	ities Portfolio "DW	/S Government C	Cash Institutional S	Shares",			
6,182,630	5,852,937 (h)	_	_	_	279,907	_	12,035,567	12,035,567
Cash Equivalents	s 1.6%							
DWS Central Casl	n Management G	overnment Fund,	5.38% (f)					
9,489,906	68,136,304	71,409,863	_	_	359,803	_	6,216,347	6,216,347
15,672,536	73,989,241	71,409,863	_	_	639,710	_	18,251,914	18,251,914

<sup>\*</sup> Non-income producing security.

- (d) Annualized yield at time of purchase; not a coupon rate.
- (e) At December 31, 2023, this security has been pledged, in whole or in part, to cover initial margin requirements for open futures contracts.
- (f) Affiliated fund managed by DWS Investment Management Americas, Inc. The rate shown is the annualized seven-day yield at period end.
- (g) Represents cash collateral held in connection with securities lending. Income earned by the Fund is net of borrower rebates.
- (h) Represents the net increase (purchase cost) or decrease (sales proceeds) in the amount invested in cash collateral for the year ended December 31, 2023.

REIT: Real Estate Investment Trust

At December 31, 2023, open futures contracts purchased were as follows:

Futures	Currency	Expiration Date	Contracts	Notional Amount (\$)	Notional Value (\$)	Unrealized Appreciation (\$)
Russell E-Mini 2000 Index	USD	3/15/2024	65	6,290,121	6,655,025	364,904

#### **Currency Abbreviation(s)**

USD United States Dollar

For information on the Fund's policy and additional disclosures regarding futures contracts, please refer to the Derivatives section of Note B in the accompanying Notes to Financial Statements.

<sup>(</sup>a) All or a portion of these securities were on loan. In addition, "Other Assets and Liabilities, Net" may include pending sales that are also on loan. The value of securities loaned at December 31, 2023 amounted to \$11,042,838, which is 2.8% of net assets.

<sup>(</sup>b) Investment was valued using significant unobservable inputs.

<sup>(</sup>c) Earnout Shares: Will vest based upon the achievement of certain volume-weighted average trading prices (VWAP) for shares of OmniAb Inc. Earnout Shares are not transferrable until the vesting condition for the applicable tranche of Earnout Shares has been achieved.

#### **Fair Value Measurements**

Various inputs are used in determining the value of the Fund's investments. These inputs are summarized in three broad levels. Level 1 includes quoted prices in active markets for identical securities. Level 2 includes other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds and credit risk). Level 3 includes significant unobservable inputs (including the Fund's own assumptions in determining the fair value of investments). The level assigned to the securities valuations may not be an indication of the risk or liquidity associated with investing in those securities.

The following is a summary of the inputs used as of December 31, 2023 in valuing the Fund's investments. For information on the Fund's policy regarding the valuation of investments, please refer to the Security Valuation section of Note A in the accompanying Notes to Financial Statements.

Assets	Level 1	Level 1 Level 2		Total	
Common Stocks					
Communication Services	\$ 9,126,162	\$ —	\$ 0	\$ 9,126,162	
Consumer Discretionary	42,463,666	_	0	42,463,666	
Consumer Staples	13,091,173	_	_	13,091,173	
Energy	26,633,757	_		26,633,757	
Financials	65,956,485			65,956,485	
Health Care	59,607,194			59,607,194	
Industrials	65,764,864			65,764,864	
Information Technology	52,470,985			52,470,985	
Materials	17,245,115			17,245,115	
Real Estate	23,790,578			23,790,578	
Utilities	10,594,459	_	_	10,594,459	
Other Investments	<u> </u>	_	0	0	
Rights		_	6,931	6,931	
Warrants		_	14,770	14,770	
Government & Agency Obligations	_	389,310	_	389,310	
Short-Term Investments (a)	18,251,914	_	_	18,251,914	
Derivatives (b)					
Futures Contracts	364,904			364,904	
Total	\$405,361,256	\$389,310	\$21,701	\$405,772,267	

<sup>(</sup>a) See Investment Portfolio for additional detailed categorizations.

<sup>(</sup>b) Derivatives include unrealized appreciation (depreciation) on open futures contracts.

# Statement of Assets and Liabilities

as of December 31, 2023

Assets		
Investments in non-affiliated securities, at value (cost \$338,228,646) — including \$11,042,838 of securities loaned	\$	387,155,449
Investment in DWS Government & Agency Securities Portfolio (cost \$12,035,567)*		12,035,567
Investment in DWS Central Cash Management Government Fund (cost \$6,216,347)		6,216,347
Cash		18,150
Receivable for investments sold		164,621
Receivable for Fund shares sold		220,969
Dividends receivable		421,760
Interest receivable		57,045
Other assets		8,642
Total assets		406,298,550
Liabilities		
Payable upon return of securities loaned		12,035,567
Payable for investments purchased		223,132
Payable for Fund shares redeemed		314,299
Payable for variation margin on futures contracts		94,373
Accrued management fee		79,860
Accrued Trustees' fees		4,322
Other accrued expenses and payables		118,145
Total liabilities		12,869,698
Net assets, at value	\$	393,428,852
Net Assets Consist of		
Distributable earnings (loss)		58,471,177
Paid-in capital		334,957,675
Net assets, at value	\$	393,428,852
Net Asset Value		
Class A		
<b>Net Asset Value,</b> offering and redemption price per share (\$360,047,260 ÷ 26,423,969 outstanding shares of beneficial interest, no par value, unlimited number of shares authorized)	\$	13.63
Class B	·	
<b>Net Asset Value,</b> offering and redemption price per share (\$33,381,592 ÷ 2,450,375 outstanding shares of beneficial interest, no par value, unlimited number of shares authorized)	\$	13.62
	_	

<sup>\*</sup> Represents collateral on securities loaned.

# **Statement of Operations**

for the year ended December 31, 2023

Investment Income	
Income:	
Dividends (net of foreign taxes withheld of \$7,820)	\$ 5,270,610
Interest	30,171
Income distributions — DWS Central Cash Management Government Fund	359,803
Securities lending income, net of borrower rebates	279,907
Total income	5,940,491
Expenses:	
Management fee	1,022,531
Administration fee	354,234
Services to shareholders	3,415
Record keeping fee (Class B)	17,889
Distribution service fee (Class B)	84,510
Custodian fee	15,543
Professional fees	65,113
Reports to shareholders	31,815
Trustees' fees and expenses	17,299
Other	29,826
Total expenses before expense reductions	1,642,175
Expense reductions	(185,140)
Total expenses after expense reductions	1,457,035
Net investment income	4,483,456
Realized and Unrealized Gain (Loss)	
Net realized gain (loss) from:	
Investments	9,953,301
Futures	1,028,827
	10,982,128
Change in net unrealized appreciation (depreciation) on:	
Investments	43,219,118
Futures	467,647
	43,686,765
Net gain (loss)	54,668,893
Net increase (decrease) in net assets resulting from operations	\$59,152,349

# **Statements of Changes in Net Assets**

Increase (Decrease) in Net Assets	Years Ended 2023	December 31, 2022
Operations:		
Net investment income	\$ 4,483,456	\$ 4,004,194
Net realized gain (loss)	10,982,128	9,942,234
Change in net unrealized appreciation (depreciation)	43,686,765	(107,389,330
Net increase (decrease) in net assets resulting from operations	59,152,349	(93,442,902
Distributions to shareholders:		
Class A	(12,013,165)	(61,220,052
Class B	(1,116,011)	(6,528,743
Total distributions	(13,129,176)	(67,748,795
Fund share transactions:		
Class A		
Proceeds from shares sold	54,020,227	58,705,125
Reinvestment of distributions	12,013,165	61,220,052
Payments for shares redeemed	(78,163,938)	(70,255,574
Net increase (decrease) in net assets from Class A share transactions	(12,130,546)	49,669,603
Class B Proceeds from shares sold	3,681,935	3,302,503
Reinvestment of distributions	1,116,011	6,528,743
Payments for shares redeemed	(8,477,180)	(4,330,783
Net increase (decrease) in net assets from Class B share transactions	(3,679,234)	5,500,463
Increase (decrease) in net assets	30,213,393	(106,021,631
Net assets at beginning of period	363,215,459	469,237,090
Net assets at end of period	\$393,428,852	\$ 363,215,459
Other Information		
Class A		
Shares outstanding at beginning of period	27,216,715	22,857,220
Shares sold	4,361,225	4,397,560
Shares issued to shareholders in reinvestment of distributions	1,033,835	4,749,422
Shares redeemed	(6,187,806)	(4,787,487
Net increase (decrease) in Class A shares	(792,746)	4,359,495
Shares outstanding at end of period	26,423,969	27,216,715
Class B		
Shares outstanding at beginning of period	2,748,606	2,324,391
Shares sold	298,593	238,349
Shares issued to shareholders in reinvestment of distributions	95,877	505,712
Shares redeemed	(692,701)	(319,846
Net increase (decrease) in Class B shares	(298,231)	424,215

# **Financial Highlights**

### DWS Small Cap Index VIP — Class A

		Years Ended December 31,					
	2023	2022	2021	2020	2019		
Selected Per Share Data							
Net asset value, beginning of period	\$12.12	\$18.63	\$17.39	\$16.97	\$14.97		
Income (loss) from investment operations:  Net investment income <sup>a</sup>	.16	.15	.13	.14	.17		
Net realized and unrealized gain (loss)	1.79	(3.83)	2.41	2.03	3.49		
Total from investment operations	1.95	(3.68)	2.54	2.17	3.66		
Less distributions from: Net investment income	(.14)	(.14)	(.16)	(.17)	(.18)		
Net realized gains	(.30)	(2.69)	(1.14)	(1.58)	(1.48)		
Total distributions	(.44)	(2.83)	(1.30)	(1.75)	(1.66)		
Net asset value, end of period	\$13.63	\$12.12	\$18.63	\$17.39	\$16.97		
Total Return (%) <sup>b</sup>	16.76	(20.64)	14.50	19.43	25.22		
Ratios to Average Net Assets and Supplemental Data							
Net assets, end of period (\$ millions)	360	330	426	387	353		
Ratio of expenses before expense reductions (%) <sup>c</sup>	.42	.42	.47	.50	.53		
Ratio of expenses after expense reductions (%)°	.37	.39	.39	.39	.39		
Ratio of net investment income (%)	1.26	1.08	.69	.99	1.04		
Portfolio turnover rate (%)	14	18	26	23	22		

<sup>&</sup>lt;sup>a</sup> Based on average shares outstanding during the period.

<sup>&</sup>lt;sup>b</sup> Total return would have been lower had certain expenses not been reduced.

<sup>&</sup>lt;sup>c</sup> Expense ratio does not reflect charges and fees associated with the separate account that invests in the Fund or any variable life insurance policy or variable annuity contract for which the Fund is an investment option.

### DWS Small Cap Index VIP — Class B

		Years Ended December 31,					
	2023	2022	2021	2020	2019		
Selected Per Share Data							
Net asset value, beginning of period	\$12.12	\$18.63	\$17.39	\$16.97	\$14.97		
Income (loss) from investment operations:  Net investment income <sup>a</sup>	.12	.11	.08	.10	.12		
Net realized and unrealized gain (loss)	1.79	(3.83)	2.41	2.04	3.49		
Total from investment operations	1.91	(3.72)	2.49	2.14	3.61		
Less distributions from: Net investment income	(.11)	(.10)	(.11)	(.14)	(.13)		
Net realized gains	(.30)	(2.69)	(1.14)	(1.58)	(1.48)		
Total distributions	(.41)	(2.79)	(1.25)	(1.72)	(1.61)		
Net asset value, end of period	\$13.62	\$12.12	\$18.63	\$17.39	\$16.97		
Total Return (%) <sup>b</sup>	16.33	(20.89)	14.18	19.09	24.87		
Ratios to Average Net Assets and Supplemental Data							
Net assets, end of period (\$ millions)	33	33	43	37	33		
Ratio of expenses before expense reductions (%) <sup>c</sup>	.73	.72	.76	.79	.81		
Ratio of expenses after expense reductions (%) <sup>c</sup>	.67	.67	.67	.66	.65		
Ratio of net investment income (%)	.95	.79	.42	.71	.76		
Portfolio turnover rate (%)	14	18	26	23	22		

<sup>&</sup>lt;sup>a</sup> Based on average shares outstanding during the period.

b Total return would have been lower had certain expenses not been reduced.

<sup>&</sup>lt;sup>c</sup> Expense ratio does not reflect charges and fees associated with the separate account that invests in the Fund or any variable life insurance policy or variable annuity contract for which the Fund is an investment option.

### **Notes to Financial Statements**

#### A. Organization and Significant Accounting Policies

Deutsche DWS Investments VIT Funds (the "Trust") is registered under the Investment Company Act of 1940, as amended (the "1940 Act"), as an open-end management investment company. The Trust is organized as a Massachusetts business trust. DWS Small Cap Index VIP (the "Fund") is a diversified series of the Trust offered to investors. The Fund is an underlying investment vehicle for variable annuity contracts and variable life insurance policies to be offered by the separate accounts of certain life insurance companies ("Participating Insurance Companies").

**Multiple Classes of Shares of Beneficial Interest.** The Fund offers two classes of shares (Class A shares and Class B shares). Class B shares are subject to Rule 12b-1 distribution fees under the 1940 Act and recordkeeping fees equal to an annual rate of up to 0.25% and of up to 0.15%, respectively, of the average daily net assets of the Class B shares of the Fund. Class A shares are not subject to such fees.

Investment income, realized and unrealized gains and losses, and certain fund-level expenses and expense reductions, if any, are borne pro rata on the basis of relative net assets by the holders of all classes of shares, except that each class bears certain expenses unique to that class (including the applicable 12b-1 distribution fees). Differences in class-level expenses may result in payment of different per share dividends by class. All shares have equal rights with respect to voting subject to class-specific arrangements.

The Fund's financial statements are prepared in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP") which require the use of management estimates. Actual results could differ from those estimates. The Fund qualifies as an investment company under Topic 946 of Accounting Standards Codification of U.S. GAAP. The policies described below are followed consistently by the Fund in the preparation of its financial statements.

**Security Valuation.** Investments are stated at value determined as of the close of regular trading on the New York Stock Exchange on each day the exchange is open for trading.

The Fund's Board has designated DWS Investment Management Americas, Inc. (the "Advisor") as the valuation designee for the Fund pursuant to Rule 2a-5 under the 1940 Act. The Advisor's Pricing Committee (the "Pricing Committee") typically values securities using readily available market quotations or prices supplied by independent pricing services (which are considered fair values under Rule 2a-5). The Advisor has adopted fair valuation procedures that provide methodologies for fair valuing securities.

Various inputs are used in determining the value of the Fund's investments. These inputs are summarized in three broad levels. Level 1 includes quoted prices in active markets for identical securities. Level 2 includes other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds and credit risk). Level 3 includes significant unobservable inputs (including the Fund's own assumptions in determining the fair value of investments). The level assigned to the securities valuations may not be an indication of the risk or liquidity associated with investing in those securities.

Equity securities are valued at the most recent sale price or official closing price reported on the exchange (U.S. or foreign) or over-the-counter market on which they trade. Securities for which no sales are reported are valued at the calculated mean between the most recent bid and asked quotations on the relevant market or, if a mean cannot be determined, at the most recent bid quotation. Equity securities are generally categorized as Level 1.

Debt securities are valued at prices supplied by independent pricing services approved by the Pricing Committee. Such services may use various pricing techniques which take into account appropriate factors such as yield, quality, coupon rate, maturity, type of issue, trading characteristics, prepayment speeds and other data, as well as broker quotes. If the pricing services are unable to provide valuations, debt securities are valued at the average of the most recent reliable bid quotations or evaluated prices, as applicable, obtained from broker-dealers. These securities are generally categorized as Level 2.

Investments in open-end investment companies are valued at their net asset value each business day and are categorized as Level 1.

Futures contracts are generally valued at the settlement prices established each day on the exchange on which they are traded and are categorized as Level 1.

Securities and other assets for which market quotations are not readily available or for which the above valuation procedures are deemed not to reflect fair value are valued in a manner that is intended to reflect their fair value as determined in accordance with procedures approved by the Pricing Committee and are

generally categorized as Level 3. In accordance with the Fund's valuation procedures, factors considered in determining value may include, but are not limited to, the type of the security; the size of the holding; the initial cost of the security; the existence of any contractual restrictions on the security's disposition; the price and extent of public trading in similar securities of the issuer or of comparable companies; quotations or evaluated prices from broker-dealers and/or pricing services; information obtained from the issuer, analysts, and/or the appropriate stock exchange (for exchange-traded securities); an analysis of the company's or issuer's financial statements; an evaluation of the forces that influence the issuer and the market(s) in which the security is purchased and sold; and with respect to debt securities, the maturity, coupon, creditworthiness, currency denomination and the movement of the market in which the security is normally traded. The value determined under these procedures may differ from published values for the same securities.

Disclosure about the classification of fair value measurements is included in a table following the Fund's Investment Portfolio.

Securities Lending. Prior to August 17, 2023, Brown Brothers Harriman & Co. served as securities lending agent for the Fund. Effective August 17, 2023, Deutsche Bank AG, as securities lending agent, lends securities of the Fund to certain financial institutions under the terms of its securities lending agreement. During the term of the loans, the Fund continues to receive interest and dividends generated by the securities and to participate in any changes in their market value. The Fund requires the borrowers of the securities to maintain collateral with the Fund consisting of either cash or liquid, unencumbered assets having a value at least equal to the value of the securities loaned. When the collateral falls below specified amounts, the securities lending agent will use its best efforts to obtain additional collateral on the next business day to meet required amounts under the securities lending agreement. During the year ended December 31, 2023, the Fund invested the cash collateral, if any, into a joint trading account in affiliated money market funds, including DWS Government & Agency Securities Portfolio, managed by DWS Investment Management Americas, Inc. DWS Investment Management Americas, Inc. receives a management/administration fee (0.11% annualized effective rate as of December 31, 2023) on the cash collateral invested in DWS Government & Agency Securities Portfolio. The Fund receives compensation for lending its securities either in the form of fees or by earning interest on invested cash collateral net of borrower rebates and fees paid to a securities lending agent. Either the Fund or the borrower may terminate the loan at any time, and the borrower, after notice, is required to return borrowed securities within a standard time period. There may be risks of delay and costs in recovery of securities or even loss of rights in the collateral should the borrower of the securities fail financially. If the Fund is not able to recover securities lent, the Fund may sell the collateral and purchase a replacement investment in the market, incurring the risk that the value of the replacement security is greater than the value of the collateral. The Fund is also subject to all investment risks associated with the reinvestment of any cash collateral received, including, but not limited to, interest rate, credit and liquidity risk associated with such investments.

As of December 31, 2023, the Fund had securities on loan. The value of the related collateral exceeded the value of the securities loaned at period end.

#### Remaining Contractual Maturity of the Agreements as of December 31, 2023

	Overnight and Continuous	<30 days	Between 30 & 90 days	>90 days	Total
Securities Lending Transactions					
Common Stocks	\$ 12,035,523	\$ —	\$ —	\$ —	\$ 12,035,523
Rights	44	_	_	_	44
Total Borrowings	\$ 12,035,567	\$ <b>—</b>	\$ <b>—</b>	\$ —	\$ 12,035,567

Gross amount of recognized liabilities for securities lending transactions:

\$ 12,035,567

**Federal Income Taxes.** The Fund is treated as a separate taxpayer as provided for in the Internal Revenue Code of 1986, as amended (the "Code"). It is the Fund's policy to comply with the requirements of the Code, which are applicable to regulated investment companies, and to distribute all of its taxable income to the separate accounts of the Participating Insurance Companies which hold its shares.

The Fund has reviewed the tax positions for the open tax years as of December 31, 2023 and has determined that no provision for income tax and/or uncertain tax positions is required in the Fund's financial statements. The Fund's federal tax returns for the prior three fiscal years remain open subject to examination by the Internal Revenue Service.

**Distribution of Income and Gains.** Distributions from net investment income of the Fund, if any, are declared and distributed to shareholders annually. Net realized gains from investment transactions, in excess of available capital loss carryforwards, would be taxable to the Fund if not distributed, and, therefore, will be distributed to shareholders at least annually. The Fund may also make additional distributions for tax purposes if necessary.

The timing and characterization of certain income and capital gain distributions are determined annually in accordance with federal tax regulations which may differ from accounting principles generally accepted in the United States of America. These differences primarily relate to certain securities sold at a loss, income received from passive foreign investment companies, investments in derivatives, the realized tax character on distributions from certain securities and income related to restructuring of certain securities. As a result, net investment income (loss) and net realized gain (loss) on investment transactions for a reporting period may differ significantly from distributions during such period. Accordingly, the Fund may periodically make reclassifications among certain of its capital accounts without impacting the net asset value of the Fund.

At December 31, 2023, the Fund's components of distributable earnings (accumulated losses) on a net tax basis were as follows:

Undistributed ordinary income*	\$ 4,725,981
Undistributed long-term capital gains	\$ 10,945,267
Net unrealized appreciation (depreciation) on investments	\$ 42,672,880

At December 31, 2023, the aggregate cost of investments for federal income tax purposes was \$362,734,483. The net unrealized appreciation for all investments based on tax cost was \$42,672,880. This consisted of aggregate gross unrealized appreciation for all investments for which there was an excess of value over tax cost of \$111,744,717 and aggregate gross unrealized depreciation for all investments for which there was an excess of tax cost over value of \$69,071,837.

In addition, the tax character of distributions paid to shareholders by the Fund is summarized as follows:

	Years Ended December 31,	
	2023	2022
Distributions from ordinary income*	\$ 4,111,904	\$ 9,316,781
Distributions from long-term capital gains	\$ 9,017,272	\$ 58,432,014

<sup>\*</sup> For tax purposes, short-term capital gain distributions are considered ordinary income distributions.

**Contingencies.** In the normal course of business, the Fund may enter into contracts with service providers that contain general indemnification clauses. The Fund's maximum exposure under these arrangements is unknown, as this would involve future claims that may be made against the Fund that have not yet been made. However, based on experience, the Fund expects the risk of loss to be remote.

**Expenses.** Expenses of the Trust arising in connection with a specific fund are allocated to that fund. Other Trust expenses which cannot be directly attributed to a fund are apportioned among the funds in the Trust based upon the relative net assets or other appropriate measures.

**Real Estate Investment Trusts.** The Fund at its fiscal year end recharacterizes distributions received from a Real Estate Investment Trust ("REIT") investment based on information provided by the REIT into the following categories: ordinary income, long-term and short-term capital gains, and return of capital. If information is not available timely from a REIT, the recharacterization will be estimated for financial reporting purposes and a recharacterization will be made to the accounting records in the following year when such information becomes available. Distributions received from REITs in excess of income are recorded as either a reduction of cost of investments or realized gains.

**Other.** Investment transactions are accounted for on a trade date plus one basis for daily net asset value calculations. However, for financial reporting purposes, investment transactions are reported on trade date. Interest income is recorded on the accrual basis. Dividend income is recorded on the ex-dividend date net of

foreign withholding taxes. Realized gains and losses from investment transactions are recorded on an identified cost basis. Proceeds from litigation payments, if any, are included in net realized gain (loss) from investments.

#### **B.** Derivative Instruments

A futures contract is an agreement between a buyer or seller and an established futures exchange or its clearinghouse in which the buyer or seller agrees to take or make a delivery of a specific amount of a financial instrument at a specified price on a specific date (settlement date). For the year ended December 31, 2023, the Fund invested in futures to keep cash on hand to meet shareholder redemptions or other needs while maintaining exposure to the stock market.

Upon entering into a futures contract, the Fund is required to deposit with a financial intermediary cash or securities ("initial margin") in an amount equal to a certain percentage of the face value indicated in the futures contract. Subsequent payments ("variation margin") are made or received by the Fund dependent upon the daily fluctuations in the value and are recorded for financial reporting purposes as unrealized gains or losses by the Fund. Gains or losses are realized when the contract expires or is closed. Since all futures contracts are exchange-traded, counterparty risk is minimized as the exchange's clearinghouse acts as the counterparty, and guarantees the futures against default.

Certain risks may arise upon entering into futures contracts, including the risk that an illiquid market will limit the Fund's ability to close out a futures contract prior to the settlement date and the risk that the futures contract is not well correlated with the security, index or currency to which it relates. Risk of loss may exceed amounts recognized in the Statement of Assets and Liabilities.

A summary of the open futures contracts as of December 31, 2023, is included in a table following the Fund's Investment Portfolio. For the year ended December 31, 2023, the investment in futures contracts purchased had a total notional value generally indicative of a range from approximately \$4,946,000 to \$11,334,000.

The following table summarizes the value of the Fund's derivative instruments held as of December 31, 2023 and the related location in the accompanying Statement of Assets and Liabilities, presented by primary underlying risk exposure:

Assets Derivative	Futures Contracts
Equity Contracts (a)	\$ 364,904

The above derivative is located in the following Statement of Assets and Liabilities account:

(a) Includes cumulative appreciation of futures contracts as disclosed in the Investment Portfolio. Unsettled variation margin is disclosed separately within the Statement of Assets and Liabilities.

Additionally, the amount of unrealized and realized gains and losses on derivative instruments recognized in Fund earnings during the year ended December 31, 2023 and the related location in the accompanying Statement of Operations is summarized in the following tables by primary underlying risk exposure:

Realized Gain (Loss)	Futures Contracts
Equity Contracts (a)	\$ 1,028,827

The above derivative is located in the following Statement of Operations account:

(a) Net realized gain (loss) from futures contracts

Change in Net Unrealized Appreciation (Depreciation)	Contracts
Equity Contracts (a)	\$ 467,647

The above derivative is located in the following Statement of Operations account:

(a) Change in net unrealized appreciation (depreciation) on futures contracts

#### C. Purchases and Sales of Securities

During the year ended December 31, 2023, purchases and sales of investment securities (excluding short-term investments) aggregated \$50,774,203 and \$66,365,301, respectively.

#### D. Related Parties

Management Agreement. Under the Investment Management Agreement with DWS Investment Management Americas, Inc. ("DIMA" or the "Advisor"), an indirect, wholly owned subsidiary of DWS Group GmbH & Co. KGaA ("DWS Group"), the Advisor determines the securities, instruments and other contracts relating to investments to be purchased, sold or entered into by the Fund or delegates such responsibility to the Fund's subadvisor. Northern Trust Investments, Inc. ("NTI") serves as subadvisor. As a subadvisor to the Fund, NTI makes investment decisions and buys and sells securities for the Fund. NTI is paid by the Advisor for the services NTI provides to the Fund.

Under the Investment Management Agreement with the Advisor, the Fund pays the Advisor an annual fee based on the average daily net assets of the Fund, computed and accrued daily and payable monthly at the annual rate (exclusive of any applicable waivers/reimbursements) of 0.28%.

For the period from January 1, 2023 through April 30, 2024, the Advisor has contractually agreed to waive its fees and/or reimburse certain operating expenses of the Fund to the extent necessary to maintain the total annual operating expenses (excluding certain expenses such as extraordinary expenses, taxes, brokerage, interest expense and acquired fund fees and expenses) of each class as follows:

Class A	.37%
Class B	.67%

For the year ended December 31, 2023, fees waived and/or expenses reimbursed for each class are as follows:

	\$ 185,140
Class B	18,214
Class A	\$ 166,926

**Administration Fee.** Pursuant to an Administrative Services Agreement, DIMA provides most administrative services to the Fund. For all services provided under the Administrative Services Agreement, the Fund pays the Advisor an annual fee ("Administration Fee") of 0.097% of the Fund's average daily net assets, computed and accrued daily and payable monthly. For the year ended December 31, 2023, the Administration Fee was \$354,234, of which \$31,149 is unpaid.

**Distribution Service Agreement.** DWS Distributors, Inc. ("DDI"), an affiliate of the Advisor, is the Fund's distributor. In accordance with the Distribution Plan, DDI receives 12b-1 fees of up to 0.25% of the average daily net assets of Class B shares. For the year ended December 31, 2023, the Distribution Service Fee was as follows:

Distribution Service Fee	Total Aggregated	Unpaid at December 31, 2023
Class B	\$ 84,510	\$ 6,822

**Service Provider Fees.** DWS Service Company ("DSC"), an affiliate of the Advisor, is the transfer agent, dividend-paying agent and shareholder service agent for the Fund. Pursuant to a sub-transfer agency agreement between DSC and SS&C GIDS, Inc. ("SS&C"), DSC has delegated certain transfer agent, dividend-paying agent and shareholder service agent functions to SS&C. DSC compensates SS&C out of the shareholder servicing fee it receives from the Fund. For the year ended December 31, 2023, the amounts charged to the Fund by DSC were as follows:

Services to Shareholders	Total Aggregated	Unpaid at December 31, 2023
Class A	\$ 1,620	\$ 271
Class B	314	51
	\$ 1,934	\$ 322

**Other Service Fees.** Under an agreement with the Fund, DIMA is compensated for providing regulatory filing services to the Fund. For the year ended December 31, 2023, the amount charged to the Fund by DIMA included in the Statement of Operations under "Reports to shareholders" aggregated \$4,500, of which \$210 is unpaid.

**Trustees' Fees and Expenses.** The Fund paid retainer fees to each Trustee not affiliated with the Advisor, plus specified amounts to the Board Chairperson and to each committee Chairperson.

Affiliated Cash Management Vehicles. The Fund may invest uninvested cash balances in DWS Central Cash Management Government Fund and DWS ESG Liquidity Fund, affiliated money market funds which are managed by the Advisor. Each affiliated money market fund is managed in accordance with Rule 2a-7 under the 1940 Act, which governs the quality, maturity, diversity and liquidity of instruments in which a money market fund may invest. DWS Central Cash Management Government Fund seeks to maintain a stable net asset value, and DWS ESG Liquidity Fund maintains a floating net asset value. The Fund indirectly bears its proportionate share of the expenses of each affiliated money market fund in which it invests. DWS Central Cash Management Government Fund does not pay the Advisor an investment management fee. To the extent that DWS ESG Liquidity Fund pays an investment management fee to the Advisor, the Advisor will waive an amount of the investment management fee payable to the Advisor by the Fund equal to the amount of the investment management fee payable on the Fund's assets invested in DWS ESG Liquidity Fund.

**Securities Lending Agent Fees.** Effective August 17, 2023, Deutsche Bank AG serves as securities lending agent for the Fund. For the year ended December 31, 2023, the Fund incurred securities lending agent fees to Deutsche Bank AG in the amount of \$8,062.

#### E. Ownership of the Fund

At December 31, 2023, four participating insurance companies were owners of record of 10% or more of the total outstanding Class A shares of the Fund, each owning 33%, 19%, 13% and 11%, respectively. Three participating insurance companies were owners of record of 10% or more of the total outstanding Class B shares of the Fund, each owning 40%, 23% and 21%, respectively.

#### F. Line of Credit

The Fund and other affiliated funds (the "Participants") share in a \$375 million revolving credit facility provided by a syndication of banks. The Fund may borrow for temporary or emergency purposes, including the meeting of redemption requests that otherwise might require the untimely disposition of securities. The Participants are charged an annual commitment fee, which is allocated based on net assets, among each of the Participants. Interest is calculated at a daily fluctuating rate per annum equal to the sum of 0.10% plus the higher of the Federal Funds Effective Rate and the Overnight Bank Funding Rate, plus 1.25%. The Fund may borrow up to a maximum of 33 percent of its net assets under the agreement. The Fund had no outstanding loans at December 31, 2023.

# Report of Independent Registered Public Accounting Firm

To the Board of Trustees of Deutsche DWS Investments VIT Funds and Shareholders of DWS Small Cap Index VIP:

#### **Opinion on the Financial Statements**

We have audited the accompanying statement of assets and liabilities of DWS Small Cap Index VIP (the "Fund") (one of the funds constituting Deutsche DWS Investments VIT Funds) (the "Trust"), including the investment portfolio, as of December 31, 2023, and the related statement of operations for the year then ended, the statements of changes in net assets for each of the two years in the period then ended, the financial highlights for each of the five years in the period then ended and the related notes (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 (one of the funds constituting Deutsche DWS Investments VIT Funds) at December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period then ended and its financial highlights for each of the five years in the period then ended, in conformity with U.S. generally accepted accounting principles.

#### Basis for Opinion

These financial statements are the responsibility of the Trust'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 Trust 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 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. The Trust is not required to have, nor were we engaged to perform, an audit of the Trust's internal control over financial reporting. As part of our audits, we are required to obtain an understanding of internal control over financial reporting, but not for the purpose of expressing an opinion on the effectiveness of the Trust's internal control over financial reporting. Accordingly, we express no such opinion.

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 procedures included confirmation of securities owned as of December 31, 2023, by correspondence with the custodian, brokers, and others; when replies were not received from brokers and others, we performed other auditing procedures. 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. We believe that our audits provide a reasonable basis for our opinion.

Ernst + Young LLP

We have served as the auditor of one or more investment companies in the DWS family of funds since at least 1979, but we are unable to determine the specific year.

Boston, Massachusetts February 13, 2024 Other Information

(Unaudited)

#### Regulatory Update — Tailored Shareholder Report

Effective January 24, 2023, the SEC amended the rules for mutual fund and exchange-traded fund ("ETF") annual and semi-annual shareholder reports. The amended rules apply to mutual funds and ETFs that are registered on Form N-1A (i.e., open-end funds) and implement a new streamlined disclosure framework requiring "concise and visually engaging" shareholder reports highlighting key information, including a simplified expense presentation, performance information, portfolio holdings and certain fund statistics. The amended rules seek to simplify shareholder reporting by consolidating investor friendly data in one report and moving other data to Form N-CSR, creating a layered disclosure framework. Certain information from the Fund's current shareholder reports, including the Fund's investment portfolio, financial statements and financial highlights, will move to Form N-CSR. This information must be available online, delivered free of charge upon request and filed on a semiannual basis on Form N-CSR. Notably, the amended rules will require mutual funds and ETFs to prepare separate individual shareholder reports for each fund share class. The amendments also include a revised definition of "appropriate broad-based securities market index" that will affect performance presentations in the new streamlined reports and mutual fund and ETF prospectuses. The amended rules and related form amendments have a compliance date of July 24, 2024. At this time, management is evaluating the impact of the amended rules and form amendments on the content of the Fund's current shareholder reports.

# **Information About Your Fund's Expenses**

(Unaudited)

As an investor of the Fund, you incur two types of costs: ongoing expenses and transaction costs. Ongoing expenses include management fees, distribution and service (12b-1) fees and other Fund expenses. Examples of transaction costs include contract charges, which are not shown in this section. The following tables are intended to help you understand your ongoing expenses (in dollars) of investing in the Fund and to help you compare these expenses with the ongoing expenses of investing in other mutual funds. In the most recent six-month period, the Fund limited these expenses; had it not done so, expenses would have been higher. The example in the table is based on an investment of \$1,000 invested at the beginning of the six-month period and held for the entire period (July 1, 2023 to December 31, 2023).

The tables illustrate your Fund's expenses in two ways:

- **Actual Fund Return**. This helps you estimate the actual dollar amount of ongoing expenses (but not transaction costs) paid on a \$1,000 investment in the Fund using the Fund's actual return during the period. To estimate the expenses you paid over the period, 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 in the "Expenses Paid per \$1,000" line under the share class you hold.
- Hypothetical 5% Fund Return. This helps you to compare your Fund's ongoing expenses (but not transaction costs) with those of other mutual funds using the Fund's actual expense ratio and a hypothetical rate of return of 5% per year before expenses. Examples using a 5% hypothetical fund return may be found in the shareholder reports of other mutual funds. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period.

Please note that the expenses shown in these tables are meant to highlight your ongoing expenses only and do not reflect any transaction costs. The "Expenses Paid per \$1,000" line of the tables is useful in comparing ongoing expenses only and will not help you determine the relative total expense of owning different funds. If these transaction costs had been included, your costs would have been higher.

#### Expenses and Value of a \$1,000 Investment for the six months ended December 31, 2023

Actual Fund Return	Class A	Class B
Beginning Account Value 7/1/23	\$ 1,000.00	\$ 1,000.00
Ending Account Value 12/31/23	\$ 1,080.90	\$ 1,078.40
Expenses Paid per \$1,000*	\$ 1.94	\$ 3.51
Hypothetical 5% Fund Return	Class A	Class B
Beginning Account Value 7/1/23	\$ 1,000.00	\$ 1,000.00
	\$ 1,023.34	ф 1 001 00
Ending Account Value 12/31/23	\$ 1,023.34	\$ 1,021.83

<sup>\*</sup> Expenses are equal to the Fund's annualized expense ratio for each share class, multiplied by the average account value over the period, multiplied by 184 (the number of days in the most recent six-month period), then divided by 365.

Annualized Expense Ratios	Class A	Class B
DWS Small Cap Index VIP	.37%	.67%

For more information, please refer to the Fund's prospectus.

These tables do not reflect charges and fees ("contract charges") associated with the separate account that invests in the Fund or any variable life insurance policy or variable annuity contract for which the Fund is an investment option.

For an analysis of the fees associated with an investment in the Fund or similar funds, please refer to the current and hypothetical expense calculators for Variable Insurance Products which can be found at dws.com/calculators.

Tax Information (Unaudited)

The Fund paid distributions of \$0.30 per share from net long-term capital gains during its year ended December 31, 2023.

Pursuant to Section 852 of the Internal Revenue Code, the Fund designates \$12,168,000 as capital gain dividends for its year ended December 31, 2023.

For corporate shareholders, 92% of the ordinary dividends (i.e., income dividends plus short-term capital gains) paid during the Fund's fiscal year ended December 31, 2023, qualified for the dividends received deduction.

Please consult a tax advisor if you have questions about federal or state income tax laws, or on how to prepare your tax returns. If you have specific questions about your account, please contact your insurance provider.

# **Proxy Voting**

The Fund's policies and procedures for voting proxies for portfolio securities and information about how the Fund voted proxies related to its portfolio securities during the most recent 12-month period ended June 30 are available on our Web site — dws.com/en-us/resources/proxy-voting — or on the SEC's Web site — sec.gov. To obtain a written copy of the Fund's policies and procedures without charge, upon request, call us toll free at (800) 728-3337.

# **Advisory Agreement Board Considerations and Fee Evaluation**

The Board of Trustees (hereinafter referred to as the "Board" or "Trustees") approved the renewal of DWS Small Cap Index VIP's (the "Fund") investment management agreement (the "Agreement") with DWS Investment Management Americas, Inc. ("DIMA") and sub-advisory agreement (the "Sub-Advisory Agreement" and together with the Agreement, the "Agreements") between DIMA and Northern Trust Investments, Inc. ("NTI") in September 2023.

In terms of the process that the Board followed prior to approving the Agreements, shareholders should know that:

- During the entire process, all of the Fund's Trustees were independent of DIMA and its affiliates (the "Independent Trustees").
- The Board met frequently during the past year to discuss fund matters and dedicated a substantial amount of time to contract review matters. Over the course of several months, the Board reviewed extensive materials received from DIMA, independent third parties and independent counsel. These materials included an analysis of the Fund's performance, fees and expenses, profitability, economies of scale, and fall-out benefits from a fee consultant retained by the Fund's Independent Trustees (the "Fee Consultant").
- The Board also received extensive information throughout the year regarding performance of the Fund.
- The Independent Trustees regularly met privately with counsel to discuss contract review and other matters. In addition, the Independent Trustees were advised by the Fee Consultant as part of their review of the Fund's contractual arrangements and considered a comprehensive report prepared by the Fee Consultant in connection with their deliberations.
- In connection with reviewing the Agreements, the Board also reviewed the terms of the Fund's Rule 12b-1 plan, distribution agreement, administrative services agreement, transfer agency agreement and other material service agreements.

In connection with the contract review process, the Board considered the factors discussed below, among others. The Board also considered that DIMA and its predecessors have managed the Fund since its inception, and the Board believes that a long-term relationship with a capable, conscientious advisor is in the best interests of the Fund. The Board considered, generally, that shareholders chose to invest or remain invested in the Fund knowing that DIMA managed the Fund. DIMA is part of DWS Group GmbH & Co. KGaA ("DWS Group"). DWS Group is a global asset management business that offers a wide range of investing expertise and resources, including research capabilities in many countries throughout the world. DWS Group is majority-owned by Deutsche Bank AG, with approximately 20% of its shares publicly traded.

As part of the contract review process, the Board carefully considered the fees and expenses of each DWS fund overseen by the Board in light of the fund's performance. In many cases, this led to the negotiation and implementation of expense caps.

While shareholders may focus primarily on fund performance and fees, the Fund's Board considers these and many other factors, including the quality and integrity of DIMA's and NTI's personnel and administrative support services provided by DIMA, such as back-office operations, fund valuations, and compliance policies and procedures.

Nature, Quality and Extent of Services. The Board considered the terms of the Agreements, including the scope of advisory services provided under the Agreements. The Board noted that, under the Agreements, DIMA and NTI provide portfolio management services to the Fund and that, pursuant to a separate administrative services agreement, DIMA provides administrative services to the Fund. The Board considered the experience and skills of senior management and investment personnel and the resources made available to such personnel. The Board also considered the risks to DIMA in sponsoring or managing the Fund, including financial, operational and reputational risks, the potential economic impact to DIMA from such risks and DIMA's approach to addressing such risks. Throughout the course of the year, the Board also received information regarding DIMA's oversight of fund sub-advisors, including NTI. The Board reviewed the Fund's performance over short-term and long-term periods and compared those returns to various agreedupon performance measures, including market index(es) and a peer universe compiled using information supplied by Morningstar Direct ("Morningstar"), an independent fund data service. The Board also noted that it has put into place a process of identifying "Funds in Review" (e.g., funds performing poorly relative to a peer universe), and receives additional reporting from DIMA regarding such funds and, where appropriate, DIMA's plans to address underperformance. The Board believes this process is an effective manner of identifying and addressing underperforming funds. Based on the information provided, the Board noted that,

for the one-, three- and five-year periods ended December 31, 2022, the Fund's performance (Class A shares) was in the 4th quartile, 3rd quartile and 3rd quartile, respectively, of the applicable Morningstar universe (the 1st quartile being the best performers and the 4th quartile being the worst performers).

Fees and Expenses. The Board considered the Fund's investment management fee schedule, sub-advisory fee schedule, operating expenses and total expense ratios, and comparative information provided by Broadridge Financial Solutions, Inc. ("Broadridge") and the Fee Consultant regarding investment management fee rates paid to other investment advisors by similar funds (1st quartile being the most favorable and 4th quartile being the least favorable). With respect to management fees paid to other investment advisors by similar funds, the Board noted that the contractual fee rates paid by the Fund, which include a 0.097% fee paid to DIMA under the Fund's administrative services agreement, were higher than the median (4th quartile) of the applicable Broadridge peer group (based on Broadridge data provided as of December 31, 2022). The Board noted that, effective October 1, 2021, in connection with the 2021 contract renewal process, DIMA agreed to reduce the Fund's contractual management fee by 0.07%. With respect to the sub-advisory fee paid to NTI, the Board noted that the fee is paid by DIMA out of its fee and not directly by the Fund. The Board noted that the Fund's Class A shares total (net) operating expenses were expected to be higher than the median (3rd quartile) of the applicable Broadridge expense universe (based on Broadridge data provided as of December 31, 2022, and analyzing Broadridge expense universe Class A (net) expenses less any applicable 12b-1 fees) ("Broadridge Universe Expenses"). The Board also reviewed data comparing each other operational share class's total (net) operating expenses to the applicable Broadridge Universe Expenses. The Board noted that the expense limitations agreed to by DIMA were expected to help the Fund's total (net) operating expenses remain competitive. The Board considered the Fund's management fee rate as compared to fees charged by DIMA to comparable DWS U.S. registered funds ("DWS Funds") and considered differences between the Fund and the comparable DWS Funds. The information requested by the Board as part of its review of fees and expenses also included information about institutional accounts (including any sub-advised funds and accounts) and funds offered primarily to European investors ("DWS Europe Funds") managed by DWS Group. The Board noted that DIMA indicated that DWS Group does not manage any institutional accounts or DWS Europe Funds comparable to the Fund.

On the basis of the information provided, the Board concluded that management fees were reasonable and appropriate in light of the nature, quality and extent of services provided by DIMA and NTI.

Profitability. The Board reviewed detailed information regarding revenues received by DIMA under the Agreement. The Board considered the estimated costs to DIMA, and pre-tax profits realized by DIMA, from advising the DWS Funds, as well as estimates of the pre-tax profits attributable to managing the Fund in particular. The Board also received information regarding the estimated enterprise-wide profitability of DIMA and its affiliates with respect to all fund services in totality and by fund. The Board and the Fee Consultant reviewed DIMA's methodology in allocating its costs to the management of the Fund. Based on the information provided, the Board concluded that the pre-tax profits realized by DIMA in connection with the management of the Fund were not unreasonable. The Board also reviewed certain publicly available information regarding the profitability of certain similar investment management firms. The Board noted that, while information regarding the profitability of such firms is limited (and in some cases is not necessarily prepared on a comparable basis), DIMA and its affiliates' overall profitability with respect to the DWS Funds (after taking into account distribution and other services provided to the funds by DIMA and its affiliates) was lower than the overall profitability levels of most comparable firms for which such data was available. The Board did not consider the profitability of NTI with respect to the Fund. The Board noted that DIMA pays NTI's fee out of its management fee, and its understanding that the Fund's sub-advisory fee schedule was the product of an arm's length negotiation with DIMA.

**Economies of Scale.** The Board considered whether there are economies of scale with respect to the management of the Fund and whether the Fund benefits from any economies of scale. In this regard, the Board observed that while the Fund's current investment management fee schedule does not include breakpoints, the Fund's fee schedule represents an appropriate sharing between the Fund and DIMA of such economies of scale as may exist in the management of the Fund at current asset levels.

Other Benefits to DIMA and NTI and Their Affiliates. The Board also considered the character and amount of other incidental or "fall-out" benefits received by DIMA and NTI and their affiliates, including any fees received by DIMA for administrative services provided to the Fund, any fees received by an affiliate of DIMA for transfer agency services provided to the Fund and any fees received by an affiliate of DIMA for distribution services. The Board also considered benefits to DIMA related to brokerage and soft-dollar allocations, including allocating brokerage to pay for research generated by parties other than the executing broker dealers, which pertain primarily to funds investing in equity securities. In addition, the Board

considered the incidental public relations benefits to DIMA related to DWS Funds advertising and cross-selling opportunities among DIMA products and services. The Board considered these benefits in reaching its conclusion that the Fund's management fees were reasonable.

**Compliance.** The Board considered the significant attention and resources dedicated by DIMA to its compliance processes in recent years. The Board noted in particular (i) the experience, seniority and time commitment of the individuals serving as DIMA's and the Fund's chief compliance officers; (ii) the substantial commitment of resources by DIMA and its affiliates to compliance matters, including the retention of compliance personnel; and (iii) ongoing efforts to enhance the compliance program. The Board also considered the attention and resources dedicated by DIMA to the oversight of the investment sub-advisor's compliance program and compliance with the applicable fund policies and procedures.

Based on all of the information considered and the conclusions reached, the Board determined that the continuation of the Agreements is in the best interests of the Fund. In making this determination, the Board did not give particular weight to any single factor identified above. The Board considered these factors over the course of numerous meetings, certain of which were in executive session with only the Independent Trustees and counsel present. It is possible that individual Independent Trustees may have weighed these factors differently in reaching their individual decisions to approve the continuation of the Agreements.

### **Board Members and Officers**

The following table presents certain information regarding the Board Members and Officers of the Trust/Corporation. Each Board Member's year of birth is set forth in parentheses after his or her name. Unless otherwise noted, (i) each Board Member has engaged in the principal occupation(s) noted in the table for at least the most recent five years, although not necessarily in the same capacity; and (ii) the address of each Independent Board Member is c/o Keith R. Fox, DWS Funds Board Chair, c/o Thomas R. Hiller, Ropes & Gray LLP, Prudential Tower, 800 Boylston Street, Boston, MA 02199-3600. Except as otherwise noted below, the term of office for each Board Member is until the election and qualification of a successor, or until such Board Member sooner dies, resigns, is removed or as otherwise provided in the governing documents of the Trust/Corporation. Because the Fund does not hold an annual meeting of shareholders, each Board Member will hold office for an indeterminate period.

The Board Members may also serve in similar capacities with other funds in the fund complex. The number of funds in the DWS fund complex shown in the table below includes all registered open- and closed-end funds (including all of their portfolios) advised by the Advisor and any registered funds that have an investment advisor that is an affiliated person of the Advisor.

#### **Independent Board Members/Independent Advisory Board Members**

Name, Year of Birth, Position with the Trust/ Corporation and Length of Time Served <sup>1</sup>	Business Experience and Directorships During the Past Five Years	Number of Funds in DWS Fund Complex Overseen	Other Directorships Held by Board Member
Keith R. Fox, CFA (1954) Chairperson since 2017, and Board Member since 1996	Managing General Partner, Exeter Capital Partners (a series of private investment funds) (since 1986); Former Chairman, National Association of Small Business Investment Companies; Former Directorships: ICI Mutual Insurance Company; BoxTop Media Inc. (advertising); Sun Capital Advisers Trust (mutual funds); Progressive International Corporation (kitchen goods designer and distributor)	68	_
John W. Ballantine (1946) Board Member since 1999	Retired; formerly: Executive Vice President and Chief Risk Management Officer, First Chicago NBD Corporation/The First National Bank of Chicago (1996–1998); Executive Vice President and Head of International Banking (1995–1996); Not-for-Profit Directorships: Window to the World Communications (public media); Life Director of Harris Theater for Music and Dance (Chicago); Life Director of Hubbard Street Dance Chicago; Former Directorships: Director and Chairman of the Board, Healthways Inc.² (population well-being and wellness services) (2003–2014); Stockwell Capital Investments PLC (private equity); Enron Corporation; FNB Corporation; Tokheim Corporation; First Oak Brook Bancshares, Inc.; Oak Brook Bank; Portland General Electric² (utility company) (2003–2021); and Prisma Energy International; Former Not-for-Profit Directorships: Public Radio International; Palm Beach Civic Assn.	68	_
Mary Schmid Daugherty, NACD.DC, PHD, CFA (1958) Board Member or Advisory Board Member since 2023 <sup>3</sup>	Senior Fellow in Applied Finance, Department of Finance, Opus College of Business at the University of St. Thomas (1987–present); Directorships: The Meritex Company (2017–present); Driessen Water, Inc. (2016–present); and The Hardenbergh Foundation (2021–present); Former Directorships: Mairs & Power Funds Trust (mutual funds) (2010–2022); and Crescent Electric Supply Company (2010–2019)	214	_
Dawn-Marie Driscoll (1946) Board Member since 1987	Emeritus Advisory Board and former Executive Fellow, Hoffman Center for Business Ethics, Bentley University; formerly: Partner, Palmer & Dodge (law firm) (1988–1990); Vice President of Corporate Affairs and General Counsel, Filene's (retail) (1978–1988); Directorships: Trustee and former Chairman of the Board, Southwest Florida Community Foundation (charitable organization); Former Directorships: ICI Mutual Insurance Company (2007–2015); Sun Capital Advisers Trust (mutual funds) (2007–2012); Investment Company Institute (audit, executive, nominating committees) and Independent Directors Council (governance, executive committees)	68	_

Name, Year of Birth, Position with the Trust/ Corporation and Length of Time Served <sup>1</sup>	Business Experience and Directorships During the Past Five Years	Number of Funds in DWS Fund Complex Overseen	Other Directorships Held by Board Member
Richard J. Herring (1946) Board Member since 1990	Jacob Safra Professor of International Banking and Professor of Finance, The Wharton School, University of Pennsylvania (1972–present); formerly: Director, The Wharton Financial Institutions Center (1994–2020); Vice Dean and Director, Wharton Undergraduate Division (1995–2000) and Director, The Lauder Institute of International Management Studies (2000–2006); Member FDIC Systemic Risk Advisory Committee (2011–present), member Systemic Risk Council (2012–present) and member of the Advisory Board of the Yale Program on Financial Stability (2013–present); Former Directorships: Co-Chair of the Shadow Financial Regulatory Committee (2003–2015), Executive Director of The Financial Economists Roundtable (2008–2015), Director of The Thai Capital Fund (2007–2013), Director of The Aberdeen Singapore Fund (2007–2018), Director, The Aberdeen Japan Fund (2007–2021) and Nonexecutive Director of Barclays Bank DE (2010–2018)	68	_
Chad D. Perry (1972) Board Member or Advisory Board Member since 2021 <sup>3</sup>	Executive Vice President and General Counsel, RLJ Lodging Trust² (since 2023); formerly Executive Vice President, General Counsel and Secretary, Tanger Factory Outlet Centers, Inc.² (2011–2023); Executive Vice President and Deputy General Counsel, LPL Financial Holdings Inc.² (2006–2011); Senior Corporate Counsel, EMC Corporation (2005–2006); Associate, Ropes & Gray LLP (1997–2005)	214	Director, Great Elm Capital Corp. (business development company) (since 2022)
Rebecca W. Rimel (1951) Board Member since 1995	Directorships: Washington College (since July 2023); Formerly: Executive Vice President, The Glenmede Trust Company (investment trust and wealth management) (1983–2004); Board Member, Investor Education (charitable organization) (2004–2005); Former Directorships: Trustee, Executive Committee, Philadelphia Chamber of Commerce (2001–2007); Director, Viasys Health Care² (January 2007–June 2007); Trustee, Thomas Jefferson Foundation (charitable organization) (1994–2012); President, Chief Executive Officer and Director (1994–2020) and Senior Advisor (2020–2021), The Pew Charitable Trusts (charitable organization); Director, BioTelemetry Inc.² (acquired by Royal Philips in 2021) (healthcare) (2009–2021); Director, Becton Dickinson and Company² (medical technology company) (2012–2022)	68	Director, The Bridgespan Group (nonprofit organization) (since October 2020)
Catherine Schrand (1964) Board Member since 2021	Celia Z. Moh Professor of Accounting (2016–present) and Professor of Accounting (1994–present); Directorships: Advisory Board Member, the Jacobs Levy Center, The Wharton School, University of Pennsylvania (since 2023); Former positions: Vice Dean, Wharton Doctoral Programs, The Wharton School, University of Pennsylvania (2016–2019)	68	_
William N. Searcy, Jr. (1946) Board Member since 1993	Private investor since October 2003; formerly: Pension & Savings Trust Officer, Sprint Corporation <sup>2</sup> (telecommunications) (November 1989–September 2003); Former Directorships: Trustee, Sun Capital Advisers Trust (mutual funds) (1998–2012)	68	_

Officers <sup>5</sup>			
Name, Year of Birth, Position with the Trust/Corporation and Length of Time Served <sup>6</sup>	Business Experience and Directorships During the Past Five Years		
Hepsen Uzcan <sup>7</sup> (1974)	Head of Americas CEO Office, DWS (2023–present), Head of Fund Administration, Head of Product		
President and Chief Executive Officer, 2017–present	Americas and Head of U.S. Mutual Funds, DWS (2017–present); Vice President, DWS Service Company (2018–present); President, DB Investment Managers, Inc. (2018–present); President and Chief Executive Officer, The European Equity Fund, Inc., The New Germany Fund, Inc. and The Central and Eastern Europe Fund, Inc. (2017–present); Vice President, DWS Investment Management Americas, Inc. (2023–present); formerly: Vice President for the Deutsche funds (2016–2017); Assistant Secretary for the DWS funds (2013–2019); Secretary, DWS USA Corporation (2018–2023); Assistant Secretary, DWS Investment Management Americas, Inc. (2018–2023); Assistant Secretary, DWS Investment Management Americas, Inc. (2018–2023); Assistant Secretary, The European Equity Fund, Inc., The New Germany Fund, Inc. and The Central and Eastern Europe Fund, Inc. (2013–2020); Assistant Secretary, DWS Distributors, Inc. (2018–2023); Directorships: Director of DWS Service Company (2018–present); Director of DB Investment Managers, Inc. (2018–present); Director of Episcopalian Charities of New York (2018–present); Interested Director of The European Equity Fund, Inc., The New Germany Fund, Inc. and The Central and Eastern Europe Fund, Inc. (2020–present); Director of ICI Mutual Insurance Company (2020–present); Director of DWS USA Corporation (2023–present); Director of DWS Investment Management Americas, Inc. (2023–present); and Manager of DBX Advisors LLC. (2023–present)		
John Millette <sup>8</sup> (1962) Vice President and Secretary, 1999–present	Legal (Associate General Counsel), DWS; Chief Legal Officer, DWS Investment Management Americas, Inc. (2015–present); Director and Vice President, DWS Trust Company (2016–present); Secretary, DBX ETF Trust (2020–present); Vice President, DBX Advisors LLC (2021–present); Secretary, The European Equity Fund, Inc., The New Germany Fund, Inc. and The Central and Eastern Europe Fund, Inc. (2011–present); formerly: Secretary, Deutsche Investment Management Americas Inc. (2015–2017); and Assistant Secretary, DBX ETF Trust (2019–2020)		

# Name, Year of Birth, Position with the Trust/Corporation Business Exp and Length of Time Served<sup>6</sup> Past Five Year

## Business Experience and Directorships During the Past Five Years

and Length of Time Served	Past Five Years
Ciara Crawford <sup>9</sup> (1984) Assistant Secretary, 2019–present	Fund Administration (Specialist), DWS (2015–present); Assistant Secretary, DWS Service Company (2018–present); Assistant Secretary of U.S. Mutual Funds, DWS (2019–present); Assistant Secretary, DWS USA Corporation (2023–present); Assistant Secretary, DBX Advisors, LLC (2023–present); Assistant Secretary, DWS Investment Management Americas, Inc. (2023–present); Assistant Clerk, DWS Trust Company (2023–present); formerly, Legal Assistant at Accelerated Tax Solutions
Diane Kenneally <sup>8</sup> (1966) Chief Financial Officer and Treasurer, 2018–present	Fund Administration Treasurer's Office (Co-Head since 2018), DWS; Treasurer, Chief Financial Officer and Controller, DBX ETF Trust (2019–present); Treasurer and Chief Financial Officer, The European Equity Fund, Inc., The New Germany Fund, Inc. and The Central and Eastern Europe Fund, Inc. (2018–present); formerly: Assistant Treasurer for the DWS funds (2007–2018)
Yvonne Wong <sup>8</sup> (1960) Assistant Treasurer, since December 1, 2023	Fund Administration (Senior Analyst), DWS; Assistant Treasurer, DBX ETF Trust (since November 14, 2023)
Sheila Cadogan <sup>8</sup> (1966) Assistant Treasurer, 2017–present	Fund Administration Treasurer's Office (Co-Head since 2018), DWS; Director and Vice President, DWS Trust Company (2018–present); Assistant Treasurer, DBX ETF Trust (2019–present); Assistant Treasurer, The European Equity Fund, Inc., The New Germany Fund, Inc. and The Central and Eastern Europe Fund, Inc. (2018–present)
Scott D. Hogan <sup>8</sup> (1970) Chief Compliance Officer, 2016–present	Anti-Financial Crime & Compliance US (Senior Team Lead), DWS; Chief Compliance Officer, The European Equity Fund, Inc., The New Germany Fund, Inc. and The Central and Eastern Europe Fund, Inc. (2016–present)
Caroline Pearson <sup>8</sup> (1962) Chief Legal Officer, 2010–present	Legal (Senior Team Lead), DWS; Assistant Secretary, DBX ETF Trust (2020–present); Chief Legal Officer, DBX Advisors LLC (2020–present); Chief Legal Officer, The European Equity Fund, Inc., The New Germany Fund, Inc. and The Central and Eastern Europe Fund, Inc. (2012–present); formerly: Secretary, Deutsche AM Distributors, Inc. (2002–2017); Secretary, Deutsche AM Service Company (2010–2017); and Chief Legal Officer, DBX Strategic Advisors LLC (2020–2021)
Christian Rijs <sup>7</sup> (1980) Anti-Money Laundering Compliance Officer, 2021–present	Senior Team Lead Anti-Financial Crime and Compliance, DWS; AML Officer, DWS Trust Company (2021–present); AML Officer, DBX ETF Trust (2021–present); AML Officer, The European Equity Fund, Inc., The New Germany Fund, Inc. and The Central and Eastern Europe Fund, Inc. (2021–present); formerly: DWS UK & Ireland Head of Anti-Financial Crime and MLRO

- The length of time served represents the year in which the Board Member joined the board of one or more DWS funds currently overseen by the Board.
- <sup>2</sup> A publicly held company with securities registered pursuant to Section 12 of the Securities Exchange Act of 1934.
- <sup>3</sup> Mr. Perry and Ms. Daugherty are each an Advisory Board Member of Deutsche DWS Asset Allocation Trust, Deutsche DWS Equity 500 Index Portfolio, Deutsche DWS Global/International Fund, Inc., Deutsche DWS Income Trust, Deutsche DWS Institutional Funds, Deutsche DWS International Fund, Inc., Deutsche DWS Investment Trust, Deutsche DWS Investments VIT Funds, Deutsche DWS Money Market Trust, Deutsche DWS Municipal Trust, Deutsche DWS Portfolio Trust, Deutsche DWS Securities Trust, Deutsche DWS Tax Free Trust, Deutsche DWS Variable Series I and Government Cash Management Portfolio. Mr. Perry and Ms. Daugherty are each a Board Member of each other Trust.
- <sup>4</sup> Mr. Perry and Ms. Daugherty each oversees 21 funds in the DWS Fund Complex as a Board Member of various Trusts. Mr. Perry and Ms. Daugherty are each an Advisory Board Member of various Trusts/Corporations comprised of 47 funds in the DWS Fund Complex.
- <sup>5</sup> As a result of their respective positions held with the Advisor or its affiliates, these individuals are considered "interested persons" of the Advisor within the meaning of the 1940 Act. Interested persons receive no compensation from the Fund.
- <sup>6</sup> The length of time served represents the year in which the officer was first elected in such capacity for one or more DWS funds.
- <sup>7</sup> Address: 875 Third Avenue, New York, New York 10022.
- 8 Address: 100 Summer Street, Boston, MA 02110.
- <sup>9</sup> Address: 5201 Gate Parkway, Jacksonville, FL 32256.

Certain officers hold similar positions for other investment companies for which DIMA or an affiliate serves as the Advisor.

The Fund's Statement of Additional Information ("SAI") includes additional information about the Board Members. The SAI is available, without charge, upon request. If you would like to request a copy of the SAI, you may do so by calling the following toll-free number: (800) 728-3337.

# Notes

