



MFS[®] New Discovery Series

MFS[®] Variable Insurance Trust

MFS® New Discovery Series

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The report is prepared for the general information of contract owners. It is authorized for distribution to prospective investors only when preceded or accompanied by a current prospectus.

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NOT A DEPOSIT • NOT INSURED BY ANY FEDERAL GOVERNMENT AGENCY OR NCUA/NCUSIF

LETTER FROM THE CEO



Dear Contract Owners:

Markets experienced dramatic swings this year as the coronavirus pandemic brought the global economy to a standstill for several months early in the year. The speedy development of vaccines and therapeutics later brightened the economic and market outlook, but a great deal of uncertainty remains as case counts remain high, new variants of the virus are appearing and questions persist over how fast the vaccine can be made widely available. In the United States, political uncertainty eased after former Vice President Joe Biden won the presidential election and the Democrats gained control of a closely divided Senate.

Global central banks have taken aggressive steps to cushion the economic and market fallout related to the virus, and governments are deploying unprecedented levels of fiscal support. Additional U.S. stimulus is anticipated with the Democrats in the White House and in control of both houses of Congress. The measures already put in place have helped build a supportive environment and are encouraging economic recovery; however, if markets disconnect from fundamentals, they can sow the seeds of instability. As such, dramatic increases in speculative retail trading bear watching.

In the aftermath of the crisis, we could see societal changes as households, businesses, and governments adjust to a new reality, and any such alterations could affect the investment landscape. For investors, events such as the COVID-19 outbreak demonstrate the importance of having a deep understanding of company fundamentals, and we have built our global research platform to do just that.

At MFS[®], we put our clients' assets to work responsibly by carefully navigating the increasing complexity of our global markets and economies. Guided by our long-term philosophy and adhering to our commitment to sustainable investing, we tune out the noise and aim to uncover what we believe are the best, most durable investment opportunities in the market. Our unique global investment platform combines collective expertise, long-term discipline and thoughtful risk management to create sustainable value for investors.

Respectfully,

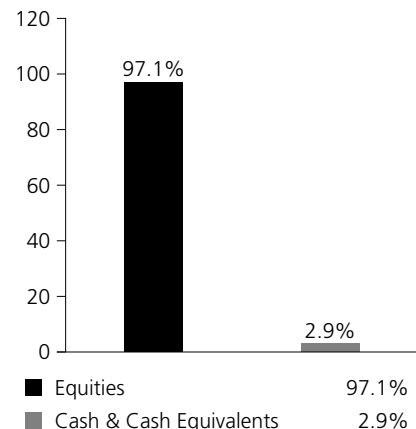
A handwritten signature in black ink that reads "Michael Roberge". The signature is written in a cursive style with a long horizontal line extending to the right.

Michael W. Roberge
Chief Executive Officer
MFS Investment Management
February 16, 2021

The opinions expressed in this letter are subject to change and may not be relied upon for investment advice. No forecasts can be guaranteed.

PORTFOLIO COMPOSITION

Portfolio structure



Top ten holdings

PRA Health Sciences, Inc.	2.3%
Rapid7, Inc.	2.2%
CACI International, Inc., "A"	2.0%
QTS Realty Trust, Inc., REIT, "A"	1.8%
Nuvei Corp.	1.7%
Q2 Holdings, Inc.	1.7%
Advanced Energy Industries, Inc.	1.6%
Leslie's, Inc.	1.6%
Ping Identity Holding Corp.	1.6%
8x8, Inc.	1.5%

GICS equity sectors (g)

Information Technology	30.7%
Health Care	24.3%
Industrials	12.2%
Consumer Discretionary	8.8%
Financials	8.7%
Real Estate	6.2%
Materials	4.0%
Consumer Staples	1.1%
Communication Services	1.0%
Energy	0.1%

(g) The Global Industry Classification Standard (GICS[®]) was developed by and/or is the exclusive property of MSCI, Inc. and S&P Global Market Intelligence Inc. ("S&P Global Market Intelligence"). GICS is a service mark of MSCI and S&P Global Market Intelligence and has been licensed for use by MFS. MFS has applied its own internal sector/industry classification methodology for equity securities and non-equity securities that are unclassified by GICS.

Cash & Cash Equivalents includes any cash, investments in money market funds, short-term securities, and other assets less liabilities. Please see the Statement of Assets and Liabilities for additional information related to the fund's cash position and other assets and liabilities.

Percentages are based on net assets as of December 31, 2020.

The portfolio is actively managed and current holdings may be different.

MANAGEMENT REVIEW

Summary of Results

For the twelve months ended December 31, 2020, Initial Class shares of the MFS New Discovery Series (fund) provided a total return of 45.89%, while Service Class shares of the fund provided a total return of 45.58%. These compare with a return of 34.63% over the same period for the fund's benchmark, the Russell 2000[®] Growth Index.

Market Environment

Markets experienced an extraordinarily sharp selloff early in the period and, in many cases, an unusually rapid recovery later. Central banks and fiscal authorities undertook astonishing levels of stimulus to offset the economic effects of government-imposed social-distancing measures implemented to slow the spread of the COVID-19 virus. At this point, the global economy looks to have experienced the shortest — albeit the deepest and steepest — recession in the postwar period. However, the recovery remains subject to more than the usual number of uncertainties due to questions about the evolution of the virus, what its continued impact will be and how quickly vaccines to guard against it can be manufactured and distributed at scale. There are also worries over the public's willingness to be inoculated.

Around the world, central banks responded quickly and massively to the crisis with programs to improve liquidity and support markets. These programs proved largely successful in helping to restore market function, ease volatility and stimulate a continued market rebound. Late in the period, the US Federal Reserve adopted a new, flexible, average-inflation-targeting framework, which is expected to result in the federal funds rate remaining at low levels longer than under its previous model. In developed countries, monetary easing measures were complemented by unusually large fiscal stimulus initiatives. Due to relatively manageable external liabilities and balances of payments in many countries and persistently low inflation, even emerging market countries were able to implement countercyclical policies — a departure from the usual market-dictated response to risk-off crises.

Compounding market uncertainty earlier in the pandemic was a crash in the price of crude oil due to a sharp drop in global demand and a disagreement between Saudi Arabia and Russia over production cuts, which resulted in an oil price war. The subsequent decline in prices undercut oil exporters, many of which are in emerging markets, as well as a large segment of the high-yield credit market. The OPEC+ group later agreed on output cuts, with shale oil producers in the US also decreasing production, which, along with the gradual reopening of some major economies and the resultant boost in demand, helped stabilize the price of crude oil.

In the immediate aftermath of the market disruption that accompanied the initial phases of the pandemic, many companies that had added significant leverage to their balance sheets in recent years by borrowing to fund dividend payments and stock buybacks halted those activities, and some companies were forced to recapitalize. As markets and the economy stabilized later in the period, in many cases dividend payments and buybacks resumed. Conversely, some companies found themselves flush with liquidity, having borrowed preemptively during the worst of the crisis only to end up with excess cash on their balance sheets.

Contributors to Performance

Stock selection in the *health care* sector contributed to the fund's performance relative to the Russell 2000[®] Growth Index. Within this sector, the portfolio's overweight positions in consumer digital health company Livongo Health^(h), synthetic DNA manufacturer Twist Bioscience, diagnostic healthcare products manufacturer Quidel^(h), biopharmaceutical company Immunomedics^(h) and clinical-stage immuno-oncology company Forty Seven^(h) boosted relative performance. The share price of Livongo Health appreciated after the company announced better-than-expected sales results, a record number of client acquisitions and a strong new-business pipeline. Additionally, telehealthcare services provider Teladoc announced an agreement to merge with Livongo, which appeared to have been well received by the markets.

Security selection and, to a lesser extent, the fund's overweight position in the *information technology* sector also aided relative returns. Within this sector, the timing of the fund's ownership in shares of video gaming peripherals equipment supplier Corsair Gaming, its overweight position in event management and enterprise safety software developer Everbridge, and its holdings of cloud-based software provider Avalara^(b) helped relative results. The share price of Corsair Gaming advanced on the back of stronger-than-expected earnings results. Strong sales of gaming peripherals and solid growth in its Computer & Systems division led management to raise its full-year 2020 outlook.

The combination of an underweight position and stock selection in the *industrials* sector further bolstered relative performance, led by the timing of the fund's ownership in shares of power generation equipment manufacturer Generac Holdings. The share price of Generac Holdings advanced on the back of record revenue in its core residential segment as demand for backup power from customers working from home increased. Additionally, the firm increased its fiscal-year 2020 guidance due to forced grid-outages in California and a higher-than-forecasted Atlantic hurricane season.

Elsewhere, the fund's holdings of strong-performing digital sports entertainment and gaming company DraftKings^{(b)(h)} further supported relative results.

Detractors from Performance

Stock selection and, to a lesser extent, an underweight position in the *consumer discretionary* sector held back relative performance, led by the fund's holdings of licensed pop culture products distributor Funko^(h). The share price of Funko fell, early in the reporting period, amid the ongoing market turbulence caused by the COVID-19 virus. The company reported a decline in adjusted earnings and lower-than-expected revenue due to weak sales and underperformance of its properties tied to Frozen 2 and Star Wars: The Rise of Skywalker.

Security selection in the *financials* sector also weakened relative performance. Within this sector, the fund's holdings of banking services providers, Texas Capital Bancshares^{(b)(h)} and Wintrust Financial^{(b)(h)}, and insurance services provider GoHealth^(b) weakened relative returns. The share price of Texas Capital Bancshares declined at the beginning of the calendar year, along with many other financial services stocks, as bond yields collapsed, notably on US 10-year Treasury bonds, and concerns about increased potential loan losses arose as global economic activity ground to a halt in efforts to stem the spread of the COVID-19 virus.

An overweight position and stock selection in the *real estate* sector dampened relative results, led by the fund's holdings of real estate investment trust CoreSite Realty^(b). Although the company delivered solid funds from operations (FFO) and earnings, CoreSite Realty's share price lagged the broader market and subsequently weighed on the fund's relative performance.

Elsewhere, not owning shares of strong-performing alternative energy technology company Plug Power and clinical-stage biopharmaceutical company MyoKardia, and the fund's holdings of weak-performing oilfield and natural gas reservoir service firm Core Laboratories^{(b)(h)} (The Netherlands), government intelligence and security information services provider CACI International^(b) and professional football club Manchester United^(b) (United Kingdom), dampened relative returns.

Respectfully,

Portfolio Manager(s)

Michael Grossman

(b) Security is not a benchmark constituent.

(h) Security was not held in the portfolio at period end.

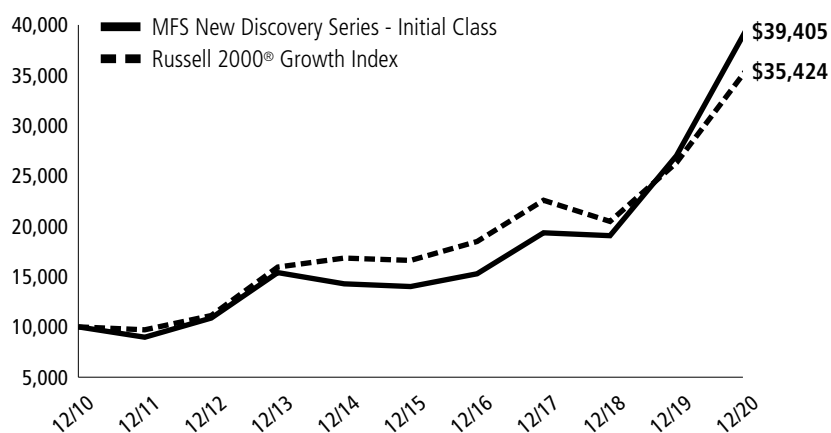
The views expressed in this report are those of the portfolio manager(s) only through the end of the period of the report as stated on the cover and do not necessarily reflect the views of MFS or any other person in the MFS organization. These views are subject to change at any time based on market or other conditions, and MFS disclaims any responsibility to update such views. These views may not be relied upon as investment advice or an indication of trading intent on behalf of any MFS portfolio. References to specific securities are not recommendations of such securities, and may not be representative of any MFS portfolio's current or future investments.

PERFORMANCE SUMMARY THROUGH 12/31/20

The following chart illustrates the historical performance of the fund in comparison to its benchmark(s). Benchmarks are unmanaged and may not be invested in directly. Benchmark returns do not reflect any fees or expenses. The performance of other share classes will be greater than or less than that of the class depicted below. (See Notes to Performance Summary.)

Performance data shown represents past performance and is no guarantee of future results. Investment return and principal value fluctuate so your units, when sold, may be worth more or less than the original cost; current performance may be lower or higher than quoted. The performance shown does not reflect the deduction of taxes, if any, that a contract holder would pay on fund distributions or the redemption of contract units. The returns for the fund shown also do not reflect the deduction of expenses associated with variable products, such as mortality and expense risk charges, separate account charges, and sales charges imposed by the insurance company separate accounts. Such expenses would reduce the overall returns shown.

Growth of a Hypothetical \$10,000 Investment



Total Returns through 12/31/20

Average annual total returns

Share Class	Class Inception Date	1-yr	5-yr	10-yr
Initial Class	5/01/98	45.89%	22.98%	14.70%
Service Class	5/01/00	45.58%	22.68%	14.41%

Comparative benchmark(s)

Russell 2000® Growth Index (f)	34.63%	16.36%	13.48%
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(f) Source: FactSet Research Systems Inc.

Benchmark Definition(s)

Russell 2000® Growth Index^(h) - constructed to provide a comprehensive barometer for growth securities in the small-cap segment of the U.S. equity universe. Companies in this index generally have higher price-to-book ratios and higher forecasted growth values.

It is not possible to invest directly in an index.

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Notes to Performance Summary

Average annual total return represents the average annual change in value for each share class for the periods presented.

Performance results reflect any applicable expense subsidies and waivers in effect during the periods shown. Without such subsidies and waivers the fund's performance results would be less favorable. Please see the prospectus and financial statements for complete details. All results are historical and assume the reinvestment of any dividends and capital gains distributions.

MFS New Discovery Series

Performance Summary – continued

Performance results do not include adjustments made for financial reporting purposes in accordance with U.S. generally accepted accounting principles and may differ from amounts reported in the financial highlights.

From time to time the fund may receive proceeds from litigation settlements, without which performance would be lower.

EXPENSE TABLE

Fund Expenses Borne by the Contract Holders during the Period, July 1, 2020 through December 31, 2020

As a contract holder of the fund, you incur ongoing costs, including management fees; distribution and/or service (12b-1) fees; and other fund expenses. This example is intended to help you understand your ongoing costs (in dollars) of investing in the fund and to compare these costs with the ongoing costs of investing in other mutual funds.

The example is based on an investment of \$1,000 invested at the beginning of the period and held for the entire period July 1, 2020 through December 31, 2020.

Actual Expenses

The first line for each share class in the following table provides information about actual account values and actual expenses. You may use the information in this line, together with the amount you invested, to estimate the expenses that 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 first line under the heading entitled "Expenses Paid During Period" to estimate the expenses you paid on your account during this period.

Hypothetical Example for Comparison Purposes

The second line for each share class in the following table provides information about hypothetical account values and hypothetical expenses based on the fund's actual expense ratio and an assumed rate of return of 5% per year before expenses, which is not the fund's actual return. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period. You may use this information to compare the ongoing costs of investing in the fund and other funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds.

Please note that the expenses shown in the table are meant to highlight the fund's ongoing costs only and do not take into account the fees and expenses imposed under the variable contracts through which your investment in the fund is made. Therefore, the second line for each share class in the table is useful in comparing ongoing costs associated with an investment in vehicles (such as the fund) which fund benefits under variable annuity and variable life insurance contracts and to qualified pension and retirement plans only, and will not help you determine the relative total costs of investing in the fund through variable annuity and variable life insurance contracts. If the fees and expenses imposed under the variable contracts were included, your costs would have been higher.

Share Class		Annualized Expense Ratio	Beginning Account Value 7/01/20	Ending Account Value 12/31/20	Expenses Paid During Period (p) 7/01/20-12/31/20
Initial Class	Actual	0.88%	\$1,000.00	\$1,387.06	\$5.28
	Hypothetical (h)	0.88%	\$1,000.00	\$1,020.71	\$4.47
Service Class	Actual	1.13%	\$1,000.00	\$1,385.12	\$6.77
	Hypothetical (h)	1.13%	\$1,000.00	\$1,019.46	\$5.74

(h) 5% class return per year before expenses.

(p) "Expenses Paid During Period" are equal to each class's annualized expense ratio, as shown above, multiplied by the average account value over the period, multiplied by 184/366 (to reflect the one-half year period).

Notes to Expense Table

Changes to the fund's fee arrangements occurred during the six month period. Had these fee changes been in effect throughout the entire six month period, the annualized expense ratios, the actual expenses paid during the period, and the hypothetical expenses paid during the period would have been approximately 0.87%, \$5.22, and \$4.42 for Initial Class and 1.12%, \$6.71, and \$5.69 for Service Class, respectively. For further information about the fund's fee arrangements and changes to those fee arrangements, please see Note 3 in the Notes to Financial Statements.

PORTFOLIO OF INVESTMENTS – 12/31/20

The Portfolio of Investments is a complete list of all securities owned by your fund. It is categorized by broad-based asset classes.

Issuer	Shares/Par	Value (\$)	Issuer	Shares/Par	Value (\$)
COMMON STOCKS – 97.1%			COMMON STOCKS – continued		
Aerospace – 3.3%			Computer Software – continued		
CACI International, Inc., "A" (a)	86,054	\$ 21,455,844	Certara, Inc. (a)	223,866	\$ 7,548,761
Kratos Defense & Security Solutions, Inc. (a)	459,079	12,592,537	Everbridge, Inc. (a)	104,980	15,649,369
		\$ 34,048,381	Open Lending Corp., "A" (a)	344,831	12,055,292
			Pagerduty, Inc. (a)	278,211	11,601,399
Apparel Manufacturers – 1.4%			Paylocity Holding Corp. (a)	36,660	7,548,661
Skechers USA, Inc., "A" (a)	398,100	\$ 14,307,714	Ping Identity Holding Corp. (a)	579,963	16,610,140
			VERTEX, Inc. (a)	465,200	16,212,220
Automotive – 0.6%			Zendesk, Inc. (a)	54,821	7,845,981
Visteon Corp. (a)	53,532	\$ 6,719,337			\$ 126,286,576
			Computer Software - Systems – 6.7%		
Biotechnology – 7.0%			Box, Inc., "A" (a)	573,953	\$ 10,359,852
Abcam PLC	275,375	\$ 5,836,921	Five9, Inc. (a)	39,982	6,972,861
Abcam PLC (a)	100,801	2,172,261	Q2 Holdings, Inc. (a)	143,018	18,096,067
Adaptive Biotechnologies Corp. (a)	126,710	7,492,362	Rapid7, Inc. (a)	261,513	23,578,012
AlloVir, Inc. (a)	162,878	6,261,030	RealPage, Inc. (a)	124,995	10,904,564
Amicus Therapeutics, Inc. (a)	299,080	6,905,757			\$ 69,911,356
Berkeley Lights, Inc. (a)	38,709	3,460,972			
BioAtla, Inc. (a)	127,359	4,331,480	Construction – 2.7%		
BioXcel Therapeutics, Inc. (a)	77,245	3,568,719	AZEK Co. LLC (a)	283,069	\$ 10,884,003
bluebird bio, Inc. (a)	114,469	4,953,074	Summit Materials, Inc., "A" (a)	458,527	9,207,222
BridgeBio Pharma, Inc. (a)	110,530	7,859,788	Trex Co., Inc. (a)	98,818	8,273,043
Morphosys AG, ADR (a)	175,726	4,980,075			\$ 28,364,268
Neurocrine Biosciences, Inc. (a)	37,675	3,611,149	Consumer Services – 1.4%		
Prelude Therapeutics, Inc. (a)	72,719	5,203,044	Boyd Group Services, Inc.	41,375	\$ 7,136,692
Seer, Inc. (a)	55,615	3,122,226	Bright Horizons Family Solutions, Inc. (a)	21,954	3,797,822
Twist Bioscience Corp. (a)	29,044	4,103,627	MakeMyTrip Ltd. (a)	132,281	3,906,258
		\$ 73,862,485			\$ 14,840,772
Brokerage & Asset Managers – 4.4%			Containers – 1.3%		
Focus Financial Partners, "A" (a)	304,823	\$ 13,259,801	Gerresheimer AG	125,229	\$ 13,424,523
GCM Grosvenor, Inc.	171,251	2,281,063			
Grosvenor Capital Management LLC (a)	533,386	7,104,702	Electrical Equipment – 3.1%		
Hamilton Lane, Inc., "A"	114,221	8,914,949	Advanced Drainage Systems, Inc.	31,650	\$ 2,645,307
TMX Group Ltd.	66,799	6,672,028	Generac Holdings, Inc. (a)	54,777	12,456,837
WisdomTree Investments, Inc.	1,533,554	8,204,514	Littlefuse, Inc.	25,683	6,540,433
		\$ 46,437,057	Sensata Technologies Holding PLC (a)	209,509	11,049,505
					\$ 32,692,082
Business Services – 9.9%			Electronics – 3.7%		
Endava PLC, ADR (a)	40,778	\$ 3,129,711	Advanced Energy Industries, Inc. (a)	178,476	\$ 17,306,818
EVO Payments, Inc., "A" (a)	297,309	8,030,316	Array Technologies, Inc. (a)	316,505	13,654,025
ExlService Holdings, Inc. (a)	156,599	13,331,273	Silicon Laboratories, Inc. (a)	61,497	7,831,028
Keywords Studios PLC (a)	312,690	12,270,218			\$ 38,791,871
Nuvei Corp. (a)	304,322	18,329,314	Entertainment – 1.0%		
Proofpoint, Inc. (a)	91,629	12,499,112	Manchester United PLC, "A"	640,277	\$ 10,718,237
Stamps.com, Inc. (a)	58,927	11,560,888			
TriNet Group, Inc. (a)	127,666	10,289,880	Food & Beverages – 0.2%		
WNS (Holdings) Ltd., ADR (a)	205,605	14,813,840	Laird Superfood, Inc. (a)	51,050	\$ 2,415,686
		\$ 104,254,552			
Chemicals – 1.2%			Food & Drug Stores – 0.9%		
Ingevity Corp. (a)	163,217	\$ 12,360,423	Grocery Outlet Holding Corp. (a)	233,922	\$ 9,181,439
Computer Software – 12.0%			Gaming & Lodging – 0.5%		
8x8, Inc. (a)	471,197	\$ 16,242,161	Penn National Gaming, Inc. (a)	57,151	\$ 4,936,132
Asana, Inc. (a)	256,305	7,573,813			
Avalara, Inc. (a)	44,871	7,398,779			

Portfolio of Investments – continued

Issuer	Shares/Par	Value (\$)	Issuer	Shares/Par	Value (\$)
COMMON STOCKS – continued			COMMON STOCKS – continued		
General Merchandise – 0.8%			Pharmaceuticals – continued		
Ollie's Bargain Outlet Holdings, Inc. (a)	104,234	\$ 8,523,214	Harmony Biosciences Holdings (a)	130,357	\$ 4,712,405
Insurance – 1.0%			Orchard RX Ltd., ADR (a)	134,310	580,219
GoHealth, Inc. (a)	448,102	\$ 6,121,073	SpringWorks Therapeutics, Inc. (a)	101,579	7,366,509
SelectQuote, Inc. (a)	216,392	4,490,134	Turning Point Therapeutics, Inc. (a)	48,429	5,901,074
		\$ 10,611,207			\$ 34,085,797
Leisure & Toys – 1.7%			Pollution Control – 1.1%		
Corsair Gaming, Inc. (a)(l)	60,701	\$ 2,198,590	GFL Environmental, Inc.	405,377	\$ 11,828,901
Malibu Boats, Inc., "A" (a)	160,884	10,045,597	Railroad & Shipping – 0.1%		
Thule Group AB (a)	147,498	5,514,413	StealthGas, Inc. (a)	479,763	\$ 1,127,443
		\$ 17,758,600	Real Estate – 2.9%		
Machinery & Tools – 0.9%			Big Yellow Group PLC, REIT	523,533	\$ 7,853,772
Hydrofarm Holdings Group, Inc. (a)	51,173	\$ 2,690,676	Industrial Logistics Properties Trust, REIT	378,777	8,821,716
Ritchie Bros. Auctioneers, Inc.	103,092	7,170,049	STAG Industrial, Inc., REIT	440,789	13,805,512
		\$ 9,860,725			\$ 30,481,000
Medical & Health Technology & Services – 5.4%			Specialty Chemicals – 2.0%		
Charles River Laboratories International, Inc. (a)	41,707	\$ 10,420,911	Axalta Coating Systems Ltd. (a)	421,233	\$ 12,026,202
Guardant Health, Inc. (a)	33,825	4,359,366	Ferro Corp. (a)	600,948	8,791,869
Health Catalyst, Inc. (a)	129,850	5,652,371			\$ 20,818,071
ICON PLC (a)	38,542	7,514,919	Specialty Stores – 2.2%		
PRA Health Sciences, Inc. (a)	188,667	23,666,389	Leslie's, Inc. (a)	617,559	\$ 17,137,262
Schrodinger, Inc. (a)	69,719	5,520,350	Vroom, Inc. (a)	144,386	5,915,495
		\$ 57,134,306			\$ 23,052,757
Medical Equipment – 6.1%			Trucking – 2.9%		
Acutus Medical, Inc. (a)	152,434	\$ 4,391,624	CryoPort, Inc. (a)	283,193	\$ 12,426,509
Bio-Techne Corp.	20,188	6,410,699	Knight-Swift Transportation Holdings, Inc.	216,670	9,061,139
Maravai Lifesciences Holdings, Inc., "A" (a)	348,717	9,781,512	Schneider National, Inc.	421,867	8,732,647
Merit Medical Systems, Inc. (a)	156,801	8,704,024			\$ 30,220,295
Nevro Corp. (a)	36,429	6,305,860	Total Common Stocks (Identified Cost, \$664,492,055)		
OptiNose, Inc. (a)(l)	475,828	1,969,928			\$1,019,607,954
OrthoPediatrics Corp. (a)	168,331	6,943,654	INVESTMENT COMPANIES (h) – 3.0%		
Outset Medical, Inc. (a)	78,348	4,453,300	Money Market Funds – 3.0%		
PerkinElmer, Inc.	36,293	5,208,045	MFS Institutional Money Market Portfolio, 0.1% (v) (Identified Cost, \$31,899,275)	31,899,306	\$ 31,899,306
Silk Road Medical, Inc. (a)	84,525	5,323,384			
STERIS PLC	24,491	4,642,024	COLLATERAL FOR SECURITIES LOANED – 0.1%		
		\$ 64,134,054	State Street Navigator Securities Lending Government Money Market Portfolio, 0.1% (j) (Identified Cost, \$906,482)	906,482	\$ 906,482
Network & Telecom – 3.3%			OTHER ASSETS, LESS LIABILITIES – (0.2)%		
CoreSite Realty Corp., REIT	120,669	\$ 15,117,412			(1,822,950)
QTS Realty Trust, Inc., REIT, "A"	314,066	19,434,404	NET ASSETS – 100.0%		
		\$ 34,551,816			\$1,050,590,792
Other Banks & Diversified Financials – 2.1%					
Bank OZK	130,980	\$ 4,095,745			
dMY Technology Group, Inc. II (a)	269,780	4,745,430			
Insu Acquisition Corp. II (a)	283,941	4,415,282			
Prosperity Bancshares, Inc.	124,141	8,610,420			
		\$ 21,866,877			
Pharmaceuticals – 3.3%					
Annexon, Inc. (a)	228,725	\$ 5,724,987			
Collegium Pharmaceutical, Inc. (a)	151,853	3,041,616			
GW Pharmaceuticals PLC, ADR (a)(l)	58,565	6,758,987			

MFS New Discovery Series

Portfolio of Investments – continued

- (a) Non-income producing security.
- (h) An affiliated issuer, which may be considered one in which the fund owns 5% or more of the outstanding voting securities, or a company which is under common control. At period end, the aggregate values of the fund's investments in affiliated issuers and in unaffiliated issuers were \$31,899,306 and \$1,020,514,436, respectively.
- (j) The rate quoted is the annualized seven-day yield of the fund at period end.
- (l) A portion of this security is on loan. See Note 2 for additional information.
- (v) Affiliated issuer that is available only to investment companies managed by MFS. The rate quoted for the MFS Institutional Money Market Portfolio is the annualized seven-day yield of the fund at period end.

The following abbreviations are used in this report and are defined:

ADR American Depositary Receipt

REIT Real Estate Investment Trust

See Notes to Financial Statements

FINANCIAL STATEMENTS | STATEMENT OF ASSETS AND LIABILITIES

This statement represents your fund's balance sheet, which details the assets and liabilities comprising the total value of the fund.

At 12/31/20

Assets

Investments in unaffiliated issuers, at value, including \$1,576,806 of securities on loan (identified cost, \$665,398,537)	\$1,020,514,436
Investments in affiliated issuers, at value (identified cost, \$31,899,275)	31,899,306
Receivables for	
Fund shares sold	712,928
Interest and dividends	758,475
Other assets	3,681
Total assets	\$1,053,888,826

Liabilities

Payables for	
Investments purchased	\$1,536,695
Fund shares reacquired	699,314
Collateral for securities loaned, at value (c)	906,482
Payable to affiliates	
Investment adviser	1,958
Administrative services fee	724
Shareholder servicing costs	774
Distribution and/or service fees	7,973
Payable for independent Trustees' compensation	12
Accrued expenses and other liabilities	144,102
Total liabilities	\$3,298,034
Net assets	\$1,050,590,792

Net assets consist of

Paid-in capital	\$526,748,362
Total distributable earnings (loss)	523,842,430
Net assets	\$1,050,590,792
Shares of beneficial interest outstanding	42,047,644

	Net assets	Shares outstanding	Net asset value per share
Initial Class	\$465,662,741	17,273,408	\$26.96
Service Class	584,928,051	24,774,236	23.61

(c) Non-cash collateral is not included.

See Notes to Financial Statements

FINANCIAL STATEMENTS | STATEMENT OF OPERATIONS

This statement describes how much your fund earned in investment income and accrued in expenses. It also describes any gains and/or losses generated by fund operations.

Year ended 12/31/20**Net investment income (loss)**

Income	
Dividends	\$4,671,348
Income on securities loaned	153,852
Dividends from affiliated issuers	80,837
Other	80,543
Foreign taxes withheld	(107,471)
Total investment income	\$4,879,109
Expenses	
Management fee	\$7,318,319
Distribution and/or service fees	1,158,172
Shareholder servicing costs	38,015
Administrative services fee	117,474
Independent Trustees' compensation	14,337
Custodian fee	54,990
Shareholder communications	100,425
Audit and tax fees	60,353
Legal fees	5,892
Miscellaneous	31,495
Total expenses	\$8,899,472
Reduction of expenses by investment adviser	(357,304)
Net expenses	\$8,542,168
Net investment income (loss)	\$(3,663,059)
Realized and unrealized gain (loss)	
Realized gain (loss) (identified cost basis)	
Unaffiliated issuers	\$176,395,184
Affiliated issuers	(3,037)
Foreign currency	7,519
Net realized gain (loss)	\$176,399,666
Change in unrealized appreciation or depreciation	
Unaffiliated issuers	\$163,797,024
Affiliated issuers	(38)
Translation of assets and liabilities in foreign currencies	9,126
Net unrealized gain (loss)	\$163,806,112
Net realized and unrealized gain (loss)	\$340,205,778
Change in net assets from operations	\$336,542,719

See Notes to Financial Statements

FINANCIAL STATEMENTS | STATEMENTS OF CHANGES IN NET ASSETS

These statements describe the increases and/or decreases in net assets resulting from operations, any distributions, and any shareholder transactions.

	Year ended	
	12/31/20	12/31/19
Change in net assets		
From operations		
Net investment income (loss)	\$(3,663,059)	\$(3,520,316)
Net realized gain (loss)	176,399,666	82,971,956
Net unrealized gain (loss)	163,806,112	172,414,321
Change in net assets from operations	\$336,542,719	\$251,865,961
Total distributions to shareholders	\$(81,295,168)	\$(140,125,461)
Change in net assets from fund share transactions	\$(20,182,105)	\$72,834,089
Total change in net assets	\$235,065,446	\$184,574,589
Net assets		
At beginning of period	815,525,346	630,950,757
At end of period	\$1,050,590,792	\$815,525,346

See Notes to Financial Statements

FINANCIAL STATEMENTS | FINANCIAL HIGHLIGHTS

The financial highlights table is intended to help you understand the fund's financial performance for the past 5 years. Certain information reflects financial results for a single fund share. The total returns in the table represent the rate that an investor would have earned (or lost) on an investment in the fund share class (assuming reinvestment of all distributions) held for the entire period.

Initial Class	Year ended				
	12/31/20	12/31/19	12/31/18	12/31/17	12/31/16
Net asset value, beginning of period	\$20.28	\$17.46	\$20.10	\$16.18	\$15.49
Income (loss) from investment operations					
Net investment income (loss) (d)	\$(0.06)	\$(0.07)	\$(0.09)	\$(0.07)	\$0.00(c)(w)
Net realized and unrealized gain (loss)	8.84	6.89	0.35	4.34	1.40
Total from investment operations	\$8.78	\$6.82	\$0.26	\$4.27	\$1.40
Less distributions declared to shareholders					
From net realized gain	\$(2.10)	\$(4.00)	\$(2.90)	\$(0.35)	\$(0.71)
Net asset value, end of period (x)	\$26.96	\$20.28	\$17.46	\$20.10	\$16.18
Total return (%) (k)(r)(s)(x)	45.89	41.70	(1.48)	26.65	9.05(c)
Ratios (%) (to average net assets) and Supplemental data:					
Expenses before expense reductions (f)	0.95	0.95	0.96	0.97	0.94(c)
Expenses after expense reductions (f)	0.91	0.94	0.94	0.94	0.92(c)
Net investment income (loss)	(0.30)	(0.33)	(0.43)	(0.37)	0.02(c)
Portfolio turnover	80	54	71	58	63
Net assets at end of period (000 omitted)	\$465,663	\$343,133	\$272,039	\$316,949	\$292,368
Service Class					
	Year ended				
	12/31/20	12/31/19	12/31/18	12/31/17	12/31/16
Net asset value, beginning of period	\$18.02	\$15.91	\$18.57	\$15.01	\$14.45
Income (loss) from investment operations					
Net investment income (loss) (d)	\$(0.10)	\$(0.11)	\$(0.13)	\$(0.10)	\$(0.03)(c)
Net realized and unrealized gain (loss)	7.79	6.22	0.37	4.01	1.30
Total from investment operations	\$7.69	\$6.11	\$0.24	\$3.91	\$1.27
Less distributions declared to shareholders					
From net realized gain	\$(2.10)	\$(4.00)	\$(2.90)	\$(0.35)	\$(0.71)
Net asset value, end of period (x)	\$23.61	\$18.02	\$15.91	\$18.57	\$15.01
Total return (%) (k)(r)(s)(x)	45.58	41.27	(1.72)	26.33	8.80(c)
Ratios (%) (to average net assets) and Supplemental data:					
Expenses before expense reductions (f)	1.20	1.20	1.21	1.22	1.19(c)
Expenses after expense reductions (f)	1.16	1.19	1.19	1.19	1.17(c)
Net investment income (loss)	(0.56)	(0.58)	(0.68)	(0.62)	(0.23)(c)
Portfolio turnover	80	54	71	58	63
Net assets at end of period (000 omitted)	\$584,928	\$472,393	\$358,912	\$432,897	\$380,884

See Notes to Financial Statements

Financial Highlights - continued

- (c) Amount reflects a one-time reimbursement of expenses by the custodian (or former custodian) without which net investment income and performance would be lower and expenses would be higher.
- (d) Per share data is based on average shares outstanding.
- (f) Ratios do not reflect reductions from fees paid indirectly, if applicable.
- (k) The total return does not reflect expenses that apply to separate accounts. Inclusion of these charges would reduce the total return figures for all periods shown.
- (r) Certain expenses have been reduced without which performance would have been lower.
- (s) From time to time the fund may receive proceeds from litigation settlements, without which performance would be lower.
- (w) Per share amount was less than \$0.01.
- (x) The net asset values and total returns have been calculated on net assets which include adjustments made in accordance with U.S. generally accepted accounting principles required at period end for financial reporting purposes.

See Notes to Financial Statements

NOTES TO FINANCIAL STATEMENTS

(1) Business and Organization

MFS New Discovery Series (the fund) is a diversified series of MFS Variable Insurance Trust (the trust). The trust is organized as a Massachusetts business trust and is registered under the Investment Company Act of 1940, as amended, as an open-end management investment company. The shareholders of each series of the trust are separate accounts of insurance companies, which offer variable annuity and/or life insurance products, and qualified retirement and pension plans.

The fund is an investment company and accordingly follows the investment company accounting and reporting guidance of the Financial Accounting Standards Board (FASB) Accounting Standards Codification Topic 946 Financial Services - Investment Companies.

(2) Significant Accounting Policies

General — The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of increases and decreases in net assets from operations during the reporting period. Actual results could differ from those estimates. In the preparation of these financial statements, management has evaluated subsequent events occurring after the date of the fund's Statement of Assets and Liabilities through the date that the financial statements were issued. The fund will generally focus on securities of small size companies which may be more volatile than those of larger companies. The fund invests in foreign securities. Investments in foreign securities are vulnerable to the effects of changes in the relative values of the local currency and the U.S. dollar and to the effects of changes in each country's market, economic, industrial, political, regulatory, geopolitical, and other conditions.

In March 2020, the FASB issued Accounting Standards Update 2020-04, Reference Rate Reform (Topic 848) – Facilitation of the Effects of Reference Rate Reform on Financial Reporting ("ASU 2020-04"), which provides optional, temporary relief with respect to the financial reporting of contracts subject to certain types of modifications due to the planned discontinuation of the London Interbank Offered Rate (LIBOR) and other IBOR-based reference rates as of the end of 2021. The temporary relief provided by ASU 2020-04 is effective for certain reference rate-related contract modifications that occur during the period from March 12, 2020 through December 31, 2022. Management is evaluating the impact of ASU 2020-04 on the fund's investments, derivatives, debt and other contracts that will undergo reference rate-related modifications as a result of the reference rate reform.

Balance Sheet Offsetting — The fund's accounting policy with respect to balance sheet offsetting is that, absent an event of default by the counterparty or a termination of the agreement, the International Swaps and Derivatives Association (ISDA) Master Agreement, or similar agreement, does not result in an offset of reported amounts of financial assets and financial liabilities in the Statement of Assets and Liabilities across transactions between the fund and the applicable counterparty. The fund's right to setoff may be restricted or prohibited by the bankruptcy or insolvency laws of the particular jurisdiction to which a specific master netting agreement counterparty is subject. Balance sheet offsetting disclosures, to the extent applicable to the fund, have been included in the fund's Significant Accounting Policies note under the captions for each of the fund's in-scope financial instruments and transactions.

Investment Valuations — Equity securities, including restricted equity securities, are generally valued at the last sale or official closing price on their primary market or exchange as provided by a third-party pricing service. Equity securities, for which there were no sales reported that day, are generally valued at the last quoted daily bid quotation on their primary market or exchange as provided by a third-party pricing service. Short-term instruments with a maturity at issuance of 60 days or less may be valued at amortized cost, which approximates market value. Open-end investment companies are generally valued at net asset value per share. Securities and other assets generally valued on the basis of information from a third-party pricing service may also be valued at a broker/dealer bid quotation. In determining values, third-party pricing services can utilize both transaction data and market information such as yield, quality, coupon rate, maturity, type of issue, trading characteristics, and other market data. The values of foreign securities and other assets and liabilities expressed in foreign currencies are converted to U.S. dollars using the mean of bid and asked prices for rates provided by a third-party pricing service.

The Board of Trustees has delegated primary responsibility for determining or causing to be determined the value of the fund's investments (including any fair valuation) to the adviser pursuant to valuation policies and procedures approved by the Board. If the adviser determines that reliable market quotations are not readily available, investments are valued at fair value as determined in good faith by the adviser in accordance with such procedures under the oversight of the Board of Trustees. Under the fund's valuation policies and procedures, market quotations are not considered to be readily available for most types of debt instruments and floating rate loans and many types of derivatives. These investments are generally valued at fair value based on information from third-party pricing services. In addition, investments may be valued at fair value if the adviser determines that an investment's value has been materially affected by events occurring after the close of the exchange or market on which the investment is principally traded (such as foreign exchange or market) and prior to the determination of the fund's net asset value, or after the halt of trading

Notes to Financial Statements - continued

of a specific security where trading does not resume prior to the close of the exchange or market on which the security is principally traded. Events that occur after foreign markets close (such as developments in foreign markets and significant movements in the U.S. markets) and prior to the determination of the fund's net asset value may be deemed to have a material effect on the value of securities traded in foreign markets. Accordingly, the fund's foreign equity securities may often be valued at fair value. The adviser generally relies on third-party pricing services or other information (such as the correlation with price movements of similar securities in the same or other markets; the type, cost and investment characteristics of the security; the business and financial condition of the issuer; and trading and other market data) to assist in determining whether to fair value and at what value to fair value an investment. The value of an investment for purposes of calculating the fund's net asset value can differ depending on the source and method used to determine value. When fair valuation is used, the value of an investment used to determine the fund's net asset value may differ from quoted or published prices for the same investment. There can be no assurance that the fund could obtain the fair value assigned to an investment if it were to sell the investment at the same time at which the fund determines its net asset value per share.

Various inputs are used in determining the value of the fund's assets or liabilities. These inputs are categorized into three broad levels. In certain cases, the inputs used to measure fair value may fall into different levels of the fair value hierarchy. In such cases, an investment's level within the fair value hierarchy is based on the lowest level of input that is significant to the fair value measurement. The fund's assessment of the significance of a particular input to the fair value measurement in its entirety requires judgment, and considers factors specific to the investment. Level 1 includes unadjusted quoted prices in active markets for identical assets or liabilities. Level 2 includes other significant observable market-based inputs (including quoted prices for similar securities, interest rates, prepayment speed, and credit risk). Level 3 includes unobservable inputs, which may include the adviser's own assumptions in determining the fair value of investments. The following is a summary of the levels used as of December 31, 2020 in valuing the fund's assets or liabilities:

Financial Instruments	Level 1	Level 2	Level 3	Total
Equity Securities:				
United States	\$860,764,471	\$7,104,702	\$—	\$867,869,173
Canada	51,136,984	—	—	51,136,984
United Kingdom	37,050,108	12,270,218	—	49,320,326
India	18,720,098	—	—	18,720,098
Germany	18,404,598	—	—	18,404,598
Ireland	7,514,919	—	—	7,514,919
Sweden	5,514,413	—	—	5,514,413
Greece	1,127,443	—	—	1,127,443
Mutual Funds	32,805,788	—	—	32,805,788
Total	\$1,033,038,822	\$19,374,920	\$—	\$1,052,413,742

For further information regarding security characteristics, see the Portfolio of Investments.

Foreign Currency Translation — Purchases and sales of foreign investments, income, and expenses are converted into U.S. dollars based upon currency exchange rates prevailing on the respective dates of such transactions or on the reporting date for foreign denominated receivables and payables. Gains and losses attributable to foreign currency exchange rates on sales of securities are recorded for financial statement purposes as net realized gains and losses on investments. Gains and losses attributable to foreign exchange rate movements on receivables, payables, income and expenses are recorded for financial statement purposes as foreign currency transaction gains and losses. That portion of both realized and unrealized gains and losses on investments that results from fluctuations in foreign currency exchange rates is not separately disclosed.

Security Loans — Under its Securities Lending Agency Agreement with the fund, State Street Bank and Trust Company, as lending agent, loans the securities of the fund to certain qualified institutions (the "Borrowers") approved by the fund. Security loans can be terminated at the discretion of either the lending agent or the fund and the related securities must be returned within the earlier of the standard trade settlement period for such securities or within three business days. The loans are collateralized by cash and/or U.S. Treasury and federal agency obligations in an amount typically at least equal to the market value of the securities loaned. On loans collateralized by cash, the cash collateral is invested in a money market fund. The market value of the loaned securities is determined at the close of business of the fund and any additional required collateral is delivered to the fund on the next business day. The lending agent provides the fund with indemnification against Borrower default. In the event of Borrower default, the lending agent will, for the benefit of the fund, either purchase securities identical to those loaned or, when such purchase is commercially impracticable, pay the fund the market value of the loaned securities. In return, the lending agent assumes the fund's rights to the related collateral. If the collateral value is less than the cost to purchase identical securities, the lending agent is responsible for the shortfall, but only to the extent that such shortfall is not due to a decline in collateral value resulting from collateral reinvestment for which the fund bears the risk of loss. At period end, the fund had investment securities on loan, all of which were classified as equity securities in the fund's Portfolio of Investments, with a fair value of \$1,576,806. The fair value of the

MFS New Discovery Series

Notes to Financial Statements - continued

fund's investment securities on loan and a related liability of \$906,482 for cash collateral received on securities loaned are both presented gross in the Statement of Assets and Liabilities. Additionally, these loans were collateralized by U.S. Treasury Obligations of \$728,277 held by the lending agent. The collateral on securities loaned exceeded the value of securities on loan at period end. The liability for cash collateral for securities loaned is carried at fair value, which is categorized as level 2 within the fair value hierarchy. A portion of the income generated upon investment of the collateral is remitted to the Borrowers, and the remainder is allocated between the fund and the lending agent. On loans collateralized by U.S. Treasury and/or federal agency obligations, a fee is received from the Borrower, and is allocated between the fund and the lending agent. Income from securities lending is separately reported in the Statement of Operations. The dividend and interest income earned on the securities loaned is accounted for in the same manner as other dividend and interest income.

Indemnifications — Under the fund's organizational documents, its officers and Trustees may be indemnified against certain liabilities and expenses arising out of the performance of their duties to the fund. Additionally, in the normal course of business, the fund enters into agreements with service providers that may contain indemnification clauses. The fund's maximum exposure under these agreements is unknown as this would involve future claims that may be made against the fund that have not yet occurred.

Investment Transactions and Income — Investment transactions are recorded on the trade date. Interest income is recorded on the accrual basis. Dividends received in cash are recorded on the ex-dividend date. Certain dividends from foreign securities will be recorded when the fund is informed of the dividend if such information is obtained subsequent to the ex-dividend date. Dividend payments received in additional securities are recorded on the ex-dividend date in an amount equal to the value of the security on such date.

The fund may receive proceeds from litigation settlements. Any proceeds received from litigation involving portfolio holdings are reflected in the Statement of Operations in realized gain/loss if the security has been disposed of by the fund or in unrealized gain/loss if the security is still held by the fund. Any other proceeds from litigation not related to portfolio holdings are reflected as other income in the Statement of Operations.

Tax Matters and Distributions — The fund intends to qualify as a regulated investment company, as defined under Subchapter M of the Internal Revenue Code, and to distribute all of its taxable income, including realized capital gains. As a result, no provision for federal income tax is required. The fund's federal tax returns, when filed, will remain subject to examination by the Internal Revenue Service for a three year period. Management has analyzed the fund's tax positions taken on federal and state tax returns for all open tax years and does not believe that there are any uncertain tax positions that require recognition of a tax liability. Foreign taxes, if any, have been accrued by the fund in the accompanying financial statements in accordance with the applicable foreign tax law. Foreign income taxes may be withheld by certain countries in which the fund invests. Additionally, capital gains realized by the fund on securities issued in or by certain foreign countries may be subject to capital gains tax imposed by those countries.

Distributions to shareholders are recorded on the ex-dividend date. Income and capital gain distributions are determined in accordance with income tax regulations, which may differ from U.S. generally accepted accounting principles. Certain capital accounts in the financial statements are periodically adjusted for permanent differences in order to reflect their tax character. These adjustments have no impact on net assets or net asset value per share. Temporary differences which arise from recognizing certain items of income, expense, gain or loss in different periods for financial statement and tax purposes will reverse at some time in the future.

Book/tax differences primarily relate to wash sale loss deferrals.

The tax character of distributions declared to shareholders for the last two fiscal years is as follows:

	Year ended 12/31/20	Year ended 12/31/19
Ordinary income (including any short-term capital gains)	\$24,424,056	\$47,170,114
Long-term capital gains	56,871,112	92,955,347
Total distributions	\$81,295,168	\$140,125,461

The federal tax cost and the tax basis components of distributable earnings were as follows:

Notes to Financial Statements - continued

As of 12/31/20	
Cost of investments	\$708,612,372
Gross appreciation	359,213,969
Gross depreciation	(15,412,599)
Net unrealized appreciation (depreciation)	\$343,801,370
Undistributed ordinary income	67,761,486
Undistributed long-term capital gain	112,268,925
Other temporary differences	10,649

Multiple Classes of Shares of Beneficial Interest — The fund offers multiple classes of shares, which differ in their respective distribution and/or service fees. The fund's income, realized and unrealized gain (loss), and common expenses are allocated to shareholders based on the daily net assets of each class. Dividends are declared separately for each class. Differences in per share dividend rates are generally due to differences in separate class expenses. The fund's distributions declared to shareholders as reported in the Statements of Changes in Net Assets are presented by class as follows:

	Year ended 12/31/20	Year ended 12/31/19
Initial Class	\$31,864,295	\$57,060,289
Service Class	49,430,873	83,065,172
Total	\$81,295,168	\$140,125,461

(3) Transactions with Affiliates

Investment Adviser — The fund has an investment advisory agreement with MFS to provide overall investment management and related administrative services and facilities to the fund. The management fee is computed daily and paid monthly at the following annual rates based on the fund's average daily net assets:

Up to \$1 billion	0.90%
In excess of \$1 billion	0.80%

MFS has agreed in writing to reduce its management fee by a specified amount if certain MFS mutual fund assets exceed thresholds agreed to by MFS and the fund's Board of Trustees. For the year ended December 31, 2020, this management fee reduction amounted to \$89,337, which is included in the reduction of total expenses in the Statement of Operations. The management fee incurred for the year ended December 31, 2020 was equivalent to an annual effective rate of 0.89% of the fund's average daily net assets.

For the period from January 1, 2020 through July 31, 2020, the investment adviser had agreed in writing to pay a portion of the fund's total annual operating expenses, excluding interest, taxes, extraordinary expenses, brokerage and transaction costs, and investment-related expenses, such that total annual operating expenses did not exceed 0.94% of average daily net assets for the Initial Class shares and 1.19% of average daily net assets for the Service Class shares. This written agreement terminated on July 31, 2020. For the period from January 1, 2020 through July 31, 2020, this reduction amounted to \$16,269, which is included in the reduction of total expenses in the Statement of Operations. Effective August 1, 2020, the investment adviser has agreed in writing to pay a portion of the fund's total annual operating expenses, excluding interest, taxes, extraordinary expenses, brokerage and transaction costs, and investment-related expenses, such that total annual operating expenses do not exceed 0.87% of average daily net assets for the Initial Class shares and 1.12% of average daily net assets for the Service Class shares. This written agreement will continue until modified by the fund's Board of Trustees, but such agreement will continue at least until April 30, 2022. For the period from August 1, 2020 through December 31, 2020, this reduction amounted to \$251,698, which is included in the reduction of total expenses in the Statement of Operations.

Distributor — MFS Fund Distributors, Inc. (MFD), a wholly-owned subsidiary of MFS, is the distributor of shares of the fund. The Trustees have adopted a distribution plan for the Service Class shares pursuant to Rule 12b-1 under the Investment Company Act of 1940.

The fund's distribution plan provides that the fund will pay MFD distribution and/or service fees equal to 0.25% per annum of its average daily net assets attributable to Service Class shares as partial consideration for services performed and expenses incurred by MFD and financial intermediaries (including participating insurance companies that invest in the fund to fund variable annuity and

MFS New Discovery Series

Notes to Financial Statements - continued

variable life insurance contracts, sponsors of qualified retirement and pension plans that invest in the fund, and affiliates of these participating insurance companies and plan sponsors) in connection with the sale and distribution of the Service Class shares. MFD may subsequently pay all, or a portion, of the distribution and/or service fees to financial intermediaries.

Shareholder Servicing Agent — MFS Service Center, Inc. (MFSC), a wholly-owned subsidiary of MFS, receives a fee from the fund for its services as shareholder servicing agent. For the year ended December 31, 2020, the fee was \$34,955, which equated to 0.0043% annually of the fund's average daily net assets. MFSC also receives reimbursement from the fund for out-of-pocket expenses paid by MFSC on behalf of the fund. For the year ended December 31, 2020, these costs amounted to \$3,060.

Administrator — MFS provides certain financial, legal, shareholder communications, compliance, and other administrative services to the fund. Under an administrative services agreement, the fund reimburses MFS the costs incurred to provide these services. The fund is charged an annual fixed amount of \$17,500 plus a fee based on average daily net assets. The administrative services fee incurred for the year ended December 31, 2020 was equivalent to an annual effective rate of 0.0144% of the fund's average daily net assets.

Trustees' and Officers' Compensation — The fund pays compensation to independent Trustees in the form of a retainer, attendance fees, and additional compensation to Board and Committee chairpersons. The fund does not pay compensation directly to Trustees or officers of the fund who are also officers of the investment adviser, all of whom receive remuneration from MFS for their services to the fund. Certain officers and Trustees of the fund are officers or directors of MFS, MFD, and MFSC.

Other — The fund invests in the MFS Institutional Money Market Portfolio which is managed by MFS and seeks current income consistent with preservation of capital and liquidity. This money market fund does not pay a management fee to MFS but does incur investment and operating costs.

The fund is permitted to engage in purchase and sale transactions with funds and accounts for which MFS serves as investment adviser or sub-adviser ("cross-trades") pursuant to a policy adopted by the Board of Trustees. This policy has been designed to ensure that cross-trades conducted by the fund comply with Rule 17a-7 under the Investment Company Act of 1940. During the year ended December 31, 2020, the fund engaged in purchase and sale transactions pursuant to this policy, which amounted to \$169,830 and \$539,353, respectively. The sales transactions resulted in net realized gains (losses) of \$(28,615).

The adviser has voluntarily undertaken to reimburse the fund from its own resources on a quarterly basis for the cost of investment research embedded in the cost of the fund's securities trades. This agreement may be rescinded at any time. For the year ended December 31, 2020, this reimbursement amounted to \$80,433, which is included in "Other" income in the Statement of Operations.

(4) Portfolio Securities

For the year ended December 31, 2020, purchases and sales of investments, other than short-term obligations, aggregated \$643,788,423 and \$759,162,965, respectively.

(5) Shares of Beneficial Interest

The fund's Declaration of Trust permits the Trustees to issue an unlimited number of full and fractional shares of beneficial interest. Transactions in fund shares were as follows:

	Year ended 12/31/20		Year ended 12/31/19	
	Shares	Amount	Shares	Amount
Shares sold				
Initial Class	3,294,260	\$68,896,127	1,458,759	\$29,581,160
Service Class	3,845,873	70,163,983	3,433,407	62,530,706
	7,140,133	\$139,060,110	4,892,166	\$92,111,866
Shares issued to shareholders in reinvestment of distributions				
Initial Class	1,481,371	\$31,864,295	3,140,358	\$57,060,289
Service Class	2,622,328	49,430,873	5,140,172	83,065,172
	4,103,699	\$81,295,168	8,280,530	\$140,125,461

Notes to Financial Statements - continued

	Year ended 12/31/20		Year ended 12/31/19	
	Shares	Amount	Shares	Amount
Shares reacquired				
Initial Class	(4,425,268)	\$(93,651,928)	(3,255,470)	\$(67,473,742)
Service Class	(7,901,694)	(146,885,455)	(4,923,843)	(91,929,496)
	(12,326,962)	\$(240,537,383)	(8,179,313)	\$(159,403,238)
Net change				
Initial Class	350,363	\$7,108,494	1,343,647	\$19,167,707
Service Class	(1,433,493)	(27,290,599)	3,649,736	53,666,382
	(1,083,130)	\$(20,182,105)	4,993,383	\$72,834,089

The fund is one of several mutual funds in which certain MFS funds may invest. The MFS funds do not invest in the underlying funds for the purpose of exercising management or control. At the end of the period, the MFS Moderate Allocation Portfolio was the owner of record of approximately 2% of the value of outstanding voting shares of the fund. In addition, the MFS Growth Allocation Portfolio and the MFS Conservative Allocation Portfolio were the owners of record of less than 1% of the value of outstanding voting shares of the fund.

(6) Line of Credit

The fund and certain other funds managed by MFS participate in a \$1.25 billion unsecured committed line of credit of which \$1 billion is reserved for use by the fund and certain other U.S. funds. The line of credit is provided by a syndicate of banks under a credit agreement. Borrowings may be made for temporary financing needs. Interest is charged to each fund, based on its borrowings, generally at a rate equal to the highest of one month LIBOR, the Federal Funds Effective Rate and the Overnight Bank Funding Rate, plus an agreed upon spread. A commitment fee, based on the average daily, unused portion of the committed line of credit, is allocated among the participating funds. In addition, the fund and other funds managed by MFS have established unsecured uncommitted borrowing arrangements with certain banks for temporary financing needs. Interest is charged to each fund, based on its borrowings, at rates equal to customary reference rates plus an agreed upon spread. For the year ended December 31, 2020, the fund's commitment fee and interest expense were \$3,501 and \$0, respectively, and are included in "Miscellaneous" expense in the Statement of Operations.

(7) Investments in Affiliated Issuers

An affiliated issuer may be considered one in which the fund owns 5% or more of the outstanding voting securities, or a company which is under common control. For the purposes of this report, the following were affiliated issuers:

Affiliated Issuers	Beginning Value	Purchases	Sales Proceeds	Realized Gain (Loss)	Change in Unrealized Appreciation or Depreciation	Ending Value
MFS Institutional Money Market Portfolio	\$20,765,476	\$392,976,506	\$381,839,601	\$(3,037)	\$(38)	\$31,899,306
Affiliated Issuers					Dividend Income	Capital Gain Distributions
MFS Institutional Money Market Portfolio					\$80,837	\$—

(8) Impacts of COVID-19

The pandemic related to the global spread of novel coronavirus disease (COVID-19), which was first detected in December 2019, has resulted in significant disruptions to global business activity and the global economy, as well as the economies of individual countries, the financial performance of individual companies and sectors, and the securities and commodities markets in general. This pandemic, the full effects of which are still unknown, has resulted in substantial market volatility and may have adversely impacted the prices and liquidity of the fund's investments and the fund's performance.

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Trustees of MFS Variable Insurance Trust and the Shareholders of MFS New Discovery Series:

Opinion on the Financial Statements and Financial Highlights

We have audited the accompanying statement of assets and liabilities of MFS New Discovery Series (the “Fund”), including the portfolio of investments, as of December 31, 2020, 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. In our opinion, the financial statements and financial highlights present fairly, in all material respects, the financial position of the Fund as of December 31, 2020, and 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 the financial highlights for each of the five years in the period then ended, in conformity with accounting principles generally accepted in the United States of America.

Basis for Opinion

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

We conducted our audits 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 and financial highlights are free of material misstatement, whether due to error or fraud. The Fund is not required to have, nor were we engaged to perform, an audit of its 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 Fund’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 and financial highlights, 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 and financial highlights. 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 and financial highlights. Our procedures included confirmation of securities owned as of December 31, 2020, by correspondence with the custodian and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

DELOITTE & TOUCHE LLP

Boston, Massachusetts
February 16, 2021

We have served as the auditor of one or more of the MFS investment companies since 1924.

TRUSTEES AND OFFICERS — IDENTIFICATION AND BACKGROUND

The Trustees and Officers of the Trust, as of February 1, 2021, are listed below, together with their principal occupations during the past five years. (Their titles may have varied during that period.) The address of each Trustee and Officer is 111 Huntington Avenue, Boston, Massachusetts 02199-7618.

Name, Age	Position(s) Held with Fund	Trustee/Officer Since^(h)	Number of MFS Funds overseen by the Trustee	Principal Occupations During the Past Five Years	Other Directorships During the Past Five Years⁽ⁱ⁾
INTERESTED TRUSTEES					
Robert J. Manning ^(k) (age 57)	Trustee	February 2004	134	Massachusetts Financial Services Company, Non-Executive Chairman (since January 2021); Director; Chairman of the Board; Executive Chairman (January 2017-2020); Co-Chief Executive Officer (2015-2016)	N/A
Michael W. Roberge ^(k) (age 54)	Trustee	January 2021	134	Massachusetts Financial Services Company, Chairman (since January 2021); Chief Executive Officer (since January 2017); Director; President (until December 2018); Chief Investment Officer (until December 2018); Co-Chief Executive Officer (until December 2016)	N/A
INDEPENDENT TRUSTEES					
John P. Kavanaugh (age 66)	Trustee and Chair of Trustees	January 2009	134	Private investor	N/A
Steven E. Buller (age 69)	Trustee	February 2014	134	Private investor	N/A
John A. Caroselli (age 66)	Trustee	March 2017	134	Private investor; JC Global Advisors, LLC (management consulting), President (since 2015)	N/A
Maureen R. Goldfarb (age 65)	Trustee	January 2009	134	Private investor	N/A
Peter D. Jones (age 65)	Trustee	January 2019	134	Private investor	N/A
James W. Kilman, Jr. (age 59)	Trustee	January 2019	134	Burford Capital Limited (finance and investment management), Chief Financial Officer (since 2019); KielStrand Capital LLC (family office), Chief Executive Officer (since 2016); Morgan Stanley & Co. (financial services), Vice Chairman of Investment Banking, Co-Head of Diversified Financials Coverage – Financial Institutions Investment Banking Group (until 2016)	Alpha-En Corporation, Director (2016-2019)
Clarence Otis, Jr. (age 64)	Trustee	March 2017	134	Private investor	VF Corporation, Director; Verizon Communications, Inc., Director; The Travelers Companies, Director

MFS New Discovery Series

Trustees and Officers - continued

Name, Age	Position(s) Held with Fund	Trustee/Officer Since^(h)	Number of MFS Funds overseen by the Trustee	Principal Occupations During the Past Five Years	Other Directorships During the Past Five Years^(j)
Maryanne L. Roepke (age 64)	Trustee	May 2014	134	Private investor	N/A
Laurie J. Thomsen (age 63)	Trustee	March 2005	134	Private investor	The Travelers Companies, Director; Dycom Industries, Inc., Director

Name, Age	Position(s) Held with Fund	Trustee/Officer Since^(h)	Number of MFS Funds for which the Person is an Officer	Principal Occupations During the Past Five Years
OFFICERS				
Christopher R. Bohane ^(k) (age 47)	Assistant Secretary and Assistant Clerk	July 2005	134	Massachusetts Financial Services Company, Senior Vice President and Associate General Counsel
Kino Clark ^(k) (age 52)	Assistant Treasurer	January 2012	134	Massachusetts Financial Services Company, Vice President
John W. Clark, Jr. ^(k) (age 53)	Assistant Treasurer	April 2017	134	Massachusetts Financial Services Company, Vice President (since March 2017); Deutsche Bank (financial services), Department Head - Treasurer's Office (until February 2017)
Thomas H. Connors ^(k) (age 61)	Assistant Secretary and Assistant Clerk	September 2012	134	Massachusetts Financial Services Company, Vice President and Senior Counsel
David L. DiLorenzo ^(k) (age 52)	President	July 2005	134	Massachusetts Financial Services Company, Senior Vice President
Heidi W. Hardin ^(k) (age 53)	Secretary and Clerk	April 2017	134	Massachusetts Financial Services Company, Executive Vice President and General Counsel (since March 2017); Harris Associates (investment management), General Counsel (until January 2017)
Brian E. Langenfeld ^(k) (age 47)	Assistant Secretary and Assistant Clerk	June 2006	134	Massachusetts Financial Services Company, Vice President and Senior Counsel
Amanda S. Mooradian ^(k) (age 41)	Assistant Secretary and Assistant Clerk	September 2018	134	Massachusetts Financial Services Company, Assistant Vice President and Senior Counsel
Susan A. Pereira ^(k) (age 50)	Assistant Secretary and Assistant Clerk	July 2005	134	Massachusetts Financial Services Company, Vice President and Assistant General Counsel
Kasey L. Phillips ^(k) (age 50)	Assistant Treasurer	September 2012	134	Massachusetts Financial Services Company, Vice President
Matthew A. Stowe ^(k) (age 46)	Assistant Secretary and Assistant Clerk	October 2014	134	Massachusetts Financial Services Company, Vice President and Assistant General Counsel
Martin J. Wolin ^(k) (age 53)	Chief Compliance Officer	July 2015	134	Massachusetts Financial Services Company, Senior Vice President and Chief Compliance Officer

Trustees and Officers - continued

Name, Age	Position(s) Held with Fund	Trustee/Officer Since^(h)	Number of MFS Funds for which the Person is an Officer	Principal Occupations During the Past Five Years
James O. Yost ^(k) (age 60)	Treasurer	September 1990	134	Massachusetts Financial Services Company, Senior Vice President

(h) Date first appointed to serve as Trustee/officer of an MFS Fund. Each Trustee has served continuously since appointment unless indicated otherwise. For the period from December 15, 2004 until February 22, 2005, Mr. Manning served as Advisory Trustee. From January 2012 through December 2016, Messrs. DiLorenzo and Yost served as Treasurer and Deputy Treasurer of the Funds, respectively.

(j) Directorships or trusteeships of companies required to report to the Securities and Exchange Commission (i.e., "public companies").

(k) "Interested person" of the Trust within the meaning of the Investment Company Act of 1940 (referred to as the 1940 Act), which is the principal federal law governing investment companies like the fund, as a result of a position with MFS. The address of MFS is 111 Huntington Avenue, Boston, Massachusetts 02199-7618.

Each Trustee (other than Messrs. Jones, Kilman and Roberge) has been elected by shareholders and each Trustee and Officer holds office until his or her successor is chosen and qualified or until his or her earlier death, resignation, retirement or removal. Mr. Roberge became a Trustee of the Funds on January 1, 2021 and Messrs. Jones and Kilman became Trustees of the Funds on January 1, 2019. The Trust does not hold annual meetings for the purpose of electing Trustees, and Trustees are not elected for fixed terms. Under the terms of the Board's retirement policy, an Independent Trustee shall retire at the end of the calendar year in which he or she reaches the earlier of 75 years of age or 15 years of service on the Board (or, in the case of any Independent Trustee who joined the Board prior to 2015, 20 years of service on the Board).

Messrs. Buller, Kilman and Otis and Ms. Roepke are members of the Trust's Audit Committee.

Each of the Interested Trustees and certain Officers hold comparable officer positions with certain affiliates of MFS.

The Statement of Additional Information for a Fund includes further information about the Trustees and is available without charge upon request by calling 1-800-225-2606.

Investment Adviser

Massachusetts Financial Services Company
111 Huntington Avenue
Boston, MA 02199-7618

Distributor

MFS Fund Distributors, Inc.
111 Huntington Avenue
Boston, MA 02199-7618

Portfolio Manager(s)

Michael Grossman

Custodian

State Street Bank and Trust Company
1 Lincoln Street
Boston, MA 02111-2900

Independent Registered Public Accounting Firm

Deloitte & Touche LLP
200 Berkeley Street
Boston, MA 02116

BOARD REVIEW OF INVESTMENT ADVISORY AGREEMENT

MFS New Discovery Series

The Investment Company Act of 1940 requires that both the full Board of Trustees and a majority of the non-interested (“independent”) Trustees, voting separately, annually approve the continuation of the Fund’s investment advisory agreement with MFS. The Trustees consider matters bearing on the Fund and its advisory arrangements at their meetings throughout the year, including a review of performance data at each regular meeting. In addition, the independent Trustees met several times by videoconference (in accordance with Securities and Exchange Commission relief) over the course of three months beginning in May and ending in July, 2020 (“contract review meetings”) for the specific purpose of considering whether to approve the continuation of the investment advisory agreement for the Fund and the other investment companies that the Board oversees (the “MFS Funds”). The independent Trustees were assisted in their evaluation of the Fund’s investment advisory agreement by independent legal counsel, from whom they received separate legal advice and with whom they met separately from MFS during various contract review meetings. The independent Trustees were also assisted in this process by an independent consultant who was retained by and reported to the independent Trustees.

In connection with their deliberations regarding the continuation of the investment advisory agreement, the Trustees, including the independent Trustees, considered such information and factors as they believed, in light of the legal advice furnished to them and their own business judgment, to be relevant. The investment advisory agreement for the Fund was considered separately, although the Trustees also took into account the common interests of all MFS Funds in their review. As described below, the Trustees considered the nature, quality, and extent of the various investment advisory, administrative, and shareholder services performed by MFS under the existing investment advisory agreement and other arrangements with the Fund.

In connection with their contract review meetings, the Trustees received and relied upon materials that included, among other items: (i) information provided by Broadridge Financial Solutions, Inc. (“Broadridge”), an independent third party, on the investment performance of the Fund for various time periods ended December 31, 2019 and the investment performance of a group of funds with substantially similar investment classifications/objectives (the “Broadridge performance universe”), (ii) information provided by Broadridge on the Fund’s advisory fees and other expenses and the advisory fees and other expenses of comparable funds identified by Broadridge as well as all other funds in the same investment classification/category (the “Broadridge expense group and universe”), (iii) information provided by MFS on the advisory fees of portfolios of other clients of MFS, including institutional separate accounts and other clients, (iv) information as to whether and to what extent applicable expense waivers, reimbursements or fee “breakpoints” are observed for the Fund, (v) information regarding MFS’ financial results and financial condition, including MFS’ and certain of its affiliates’ estimated profitability from services performed for the Fund and the MFS Funds as a whole, and compared to MFS’ institutional business, (vi) MFS’ views regarding the outlook for the mutual fund industry and the strategic business plans of MFS, (vii) descriptions of various functions performed by MFS for the Funds, such as compliance monitoring and portfolio trading practices, and (viii) information regarding the overall organization of MFS, including information about MFS’ senior management and other personnel providing investment advisory, administrative and other services to the Fund and the other MFS Funds. The comparative performance, fee and expense information prepared and provided by Broadridge was not independently verified and the independent Trustees did not independently verify any information provided to them by MFS.

The Trustees’ conclusion as to the continuation of the investment advisory agreement was based on a comprehensive consideration of all information provided to the Trustees and not the result of any single factor. Some of the factors that figured particularly in the Trustees’ deliberations are described below, although individual Trustees may have evaluated the information presented differently from one another, giving different weights to various factors. It is also important to recognize that the fee arrangements for the Fund and other MFS Funds are the result of years of review and discussion between the independent Trustees and MFS, that certain aspects of such arrangements may receive greater scrutiny in some years than in others, and that the Trustees’ conclusions may be based, in part, on their consideration of these same arrangements during the course of the year and in prior years.

Based on information provided by Broadridge and MFS, the Trustees reviewed the Fund’s total return investment performance as well as the Broadridge performance universe over various time periods. The Trustees placed particular emphasis on the total return performance of the Fund’s Initial Class shares in comparison to the performance of funds in its Broadridge performance universe over the five-year period ended December 31, 2019, which the Trustees believed was a long enough period to reflect differing market conditions. The total return performance of the Fund’s Initial Class shares was in the 1st quintile relative to the other funds in the universe for this five-year period (the 1st quintile being the best performers and the 5th quintile being the worst performers). The total return performance of the Fund’s Initial Class shares was in the 1st quintile for each of the one- and three-year periods ended December 31, 2019 relative to the Broadridge performance universe. Because of the passage of time, these performance results may differ from the performance results for more recent periods, including those shown elsewhere in this report.

Board Review of Investment Advisory Agreement - continued

In the course of their deliberations, the Trustees took into account information provided by MFS in connection with the contract review meetings, as well as during investment review meetings conducted with portfolio management personnel during the course of the year regarding the Fund's performance. After reviewing these and related factors, the Trustees concluded, within the context of their overall conclusions regarding the investment advisory agreement, that they were satisfied with MFS' responses and efforts relating to investment performance.

In assessing the reasonableness of the Fund's advisory fee, the Trustees considered, among other information, the Fund's advisory fee and the total expense ratio of the Fund's Initial Class shares as a percentage of average daily net assets and the advisory fee and total expense ratios of the Broadridge expense group based on information provided by Broadridge. The Trustees considered that MFS currently observes an expense limitation for the Fund, which may not be changed without the Trustees' approval. The Trustees also considered that, according to the data provided by Broadridge (which takes into account any fee reductions or expense limitations that were in effect during the Fund's last fiscal year), the Fund's effective advisory fee rate and total expense ratio were each higher than the Broadridge expense group median. The Trustees also noted that MFS has agreed to further reduce such expense limitation for the Fund effective August 1, 2020, which may not be changed without the Trustees' approval.

The Trustees also considered the advisory fees charged by MFS to any institutional separate accounts advised by MFS ("separate accounts") and unaffiliated investment companies for which MFS serves as subadviser ("subadvised funds") that have comparable investment strategies to the Fund, if any. In comparing these fees, the Trustees considered information provided by MFS as to the generally broader scope of services provided by MFS to the Fund, as well as the more extensive regulatory burdens imposed on MFS in managing the Fund, in comparison to separate accounts and subadvised funds. The Trustees also considered the higher demands placed on MFS' investment personnel and trading infrastructure as a result of the daily cash in-flows and out-flows of the Fund in comparison to separate accounts.

The Trustees also considered whether the Fund may benefit from any economies of scale in the management of the Fund in the event of growth in assets of the Fund and/or growth in assets of the MFS Funds as a whole. They noted that the Fund's advisory fee rate schedule is subject to a contractual breakpoint that reduces the Fund's advisory fee rate on average daily net assets over \$1 billion. The Trustees also noted that MFS has agreed in writing to waive a portion of the management fees of certain MFS Funds, including the Fund, if the total combined assets of certain funds within the MFS Funds' complex increase above agreed upon thresholds (the "group fee waiver"), enabling the Fund's shareholders to share in the benefits from any economies of scale at the complex level. The group fee waiver is reviewed and renewed annually between the Board and MFS. The Trustees concluded that the breakpoint and the group fee waiver were sufficient to allow the Fund to benefit from economies of scale as its assets and overall complex assets grow.

The Trustees also considered information prepared by MFS relating to MFS' costs and profits with respect to the Fund, the MFS Funds considered as a group, and other investment companies and accounts advised by MFS, as well as MFS' methodologies used to determine and allocate its costs to the MFS Funds, the Fund and other accounts and products for purposes of estimating profitability.

After reviewing these and other factors described herein, the Trustees concluded, within the context of their overall conclusions regarding the investment advisory agreement, that the advisory fees charged to the Fund represent reasonable compensation in light of the services being provided by MFS to the Fund.

In addition, the Trustees considered MFS' resources and related efforts to continue to retain, attract and motivate capable personnel to serve the Fund. The Trustees also considered current and developing conditions in the financial services industry, including the presence of large and well-capitalized companies which are spending, and appear to be prepared to continue to spend, substantial sums to engage personnel and to provide services to competing investment companies. In this regard, the Trustees also considered the financial resources of MFS and its ultimate parent, Sun Life Financial Inc. The Trustees also considered the advantages and possible disadvantages to the Fund of having an adviser that also serves other investment companies as well as other accounts.

The Trustees also considered the nature, quality, cost, and extent of administrative, transfer agency, and distribution services provided to the Fund by MFS and its affiliates under agreements and plans other than the investment advisory agreement, including any 12b-1 fees the Fund pays to MFS Fund Distributors, Inc., an affiliate of MFS. The Trustees also considered the nature, extent and quality of certain other services MFS performs or arranges for on the Fund's behalf, which may include securities lending programs, directed expense payment programs, class action recovery programs, and MFS' interaction with third-party service providers, principally custodians and sub-custodians. The Trustees concluded that the various non-advisory services provided by MFS and its affiliates on behalf of the Fund were satisfactory.

The Trustees considered so-called "fall-out benefits" to MFS such as reputational value derived from serving as investment manager to the MFS Funds. The Trustees also considered that MFS discontinued its historic practice of obtaining investment research from portfolio brokerage commissions paid by certain MFS Funds effective January 2018, and directly pays or voluntarily reimburses a Fund, if applicable, for the costs of external research acquired through the use of the Fund's portfolio brokerage commissions.

MFS New Discovery Series

Board Review of Investment Advisory Agreement - continued

Based on their evaluation of factors that they deemed to be material, including those factors described above, the Board of Trustees, including the independent Trustees, concluded that the Fund's investment advisory agreement with MFS should be continued for an additional one-year period, commencing August 1, 2020.

PROXY VOTING POLICIES AND INFORMATION

MFS votes proxies on behalf of the fund pursuant to proxy voting policies and procedures that are available without charge, upon request, by calling 1-800-225-2606, by visiting mfs.com/proxyvoting, or by visiting the SEC's Web site at <http://www.sec.gov>.

Information regarding how the fund voted proxies relating to portfolio securities during the most recent twelve-month period ended June 30 is available by August 31 of each year without charge by visiting mfs.com/proxyvoting, or by visiting the SEC's Web site at <http://www.sec.gov>.

QUARTERLY PORTFOLIO DISCLOSURE

The fund files a complete schedule of portfolio holdings with the SEC for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The fund's Form N-PORT reports are available on the SEC's Web site at <http://www.sec.gov>. A shareholder can obtain the portfolio holdings report for the first and third quarters of the fund's fiscal year at mfs.com/vit1 by choosing the fund's name and then scrolling to the "Resources" section and clicking on the "Prospectus and Reports" tab.

FURTHER INFORMATION

From time to time, MFS may post important information about the fund or the MFS funds on the MFS Web site (mfs.com). This information is available at <https://www.mfs.com/announcements> or at mfs.com/vit1 by choosing the fund's name and then scrolling to the "Resources" section and clicking on the "Announcements" tab, if any.

INFORMATION ABOUT FUND CONTRACTS AND LEGAL CLAIMS

The fund has entered into contractual arrangements with an investment adviser, administrator, distributor, shareholder servicing agent, 529 program manager (if applicable), and custodian who each provide services to the fund. Unless expressly stated otherwise, shareholders are not parties to, or intended beneficiaries of these contractual arrangements, and these contractual arrangements are not intended to create any shareholder right to enforce them against the service providers or to seek any remedy under them against the service providers, either directly or on behalf of the fund.

Under the Trust's By-Laws and Declaration of Trust, any claims asserted against or on behalf of the MFS Funds, including claims against Trustees and Officers, must be brought in state and federal courts located within the Commonwealth of Massachusetts.

FEDERAL TAX INFORMATION (unaudited)

The following information is provided pursuant to provisions of the Internal Revenue Code.

The fund designates \$62,559,000 as capital gain dividends paid during the fiscal year.

For corporate shareholders, 7.62% of the ordinary income dividends paid during the fiscal year qualify for the corporate dividends received deduction.

FACTS

WHAT DOES MFS DO WITH YOUR PERSONAL INFORMATION?



Why? Financial companies choose how they share your personal information. Federal law gives consumers the right to limit some but not all sharing. Federal law also requires us to tell you how we collect, share, and protect your personal information. Please read this notice carefully to understand what we do.

What? The types of personal information we collect and share depend on the product or service you have with us. This information can include:

- Social Security number and account balances
- Account transactions and transaction history
- Checking account information and wire transfer instructions

When you are *no longer* our customer, we continue to share your information as described in this notice.

How? All financial companies need to share customers’ personal information to run their everyday business. In the section below, we list the reasons financial companies can share their customers’ personal information; the reasons MFS chooses to share; and whether you can limit this sharing.

Reasons we can share your personal information	Does MFS share?	Can you limit this sharing?
For our everyday business purposes – such as to process your transactions, maintain your account(s), respond to court orders and legal investigations, or report to credit bureaus	Yes	No
For our marketing purposes – to offer our products and services to you	No	We don’t share
For joint marketing with other financial companies	No	We don’t share
For our affiliates’ everyday business purposes – information about your transactions and experiences	No	We don’t share
For our affiliates’ everyday business purposes – information about your creditworthiness	No	We don’t share
For nonaffiliates to market to you	No	We don’t share

Questions? Call **800-225-2606** or go to **mfs.com**.

Who we are

Who is providing this notice?

MFS Funds, MFS Investment Management, MFS Institutional Advisors, Inc., and MFS Heritage Trust Company.

What we do

How does MFS protect my personal information?

To protect your personal information from unauthorized access and use, we use security measures that comply with federal law. These measures include procedural, electronic, and physical safeguards for the protection of the personal information we collect about you.

How does MFS collect my personal information?

We collect your personal information, for example, when you

- open an account or provide account information
- direct us to buy securities or direct us to sell your securities
- make a wire transfer

We also collect your personal information from others, such as credit bureaus, affiliates, or other companies.

Why can't I limit all sharing?

Federal law gives you the right to limit only

- sharing for affiliates' everyday business purposes – information about your creditworthiness
- affiliates from using your information to market to you
- sharing for nonaffiliates to market to you

State laws and individual companies may give you additional rights to limit sharing.

Definitions

Affiliates

Companies related by common ownership or control. They can be financial and nonfinancial companies.

- *MFS does not share personal information with affiliates, except for everyday business purposes as described on page one of this notice.*

Nonaffiliates

Companies not related by common ownership or control. They can be financial and nonfinancial companies.

- *MFS does not share with nonaffiliates so they can market to you.*

Joint marketing

A formal agreement between nonaffiliated financial companies that together market financial products or services to you.

- *MFS doesn't jointly market.*

Other important information

If you own an MFS product or receive an MFS service in the name of a third party such as a bank or broker-dealer, their privacy policy may apply to you instead of ours.



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VARIABLE PORTFOLIO FUNDS

70100 Ameriprise Financial Center
Minneapolis, MN 55474