RYDEX SERIES FUNDS

Supplement dated December 17, 2019 to the currently effective Class A, Class C and Institutional Class Shares Statutory and Summary Prospectuses dated May 1, 2019 (the “May 2019 Prospectuses”) and Class A, Class C and Institutional Class Shares Summary and Statutory Prospectuses dated August 1, 2019 (the “August 2019 Prospectuses” and collectively with the May 2019 Prospectuses, the “Prospectuses”).

This supplement provides new and additional information beyond that contained in the Prospectuses and should be read in conjunction with the Prospectuses.

Revisions to May 2019 Prospectuses

Effective immediately, in each Fund’s Fund Summary, the last sentence under the heading “Fees and Expenses of the Fund” is deleted in its entirety and replaced with the following.

More information about these and other discounts is available from your financial professional and under the “Sales Charges” section on page 64 of the Prospectus, in Appendix A to the Prospectus — “Sales Charge Waivers and Discounts Available Through Intermediaries,” and in the “Sales Charges, Reductions, and Waivers” section beginning on page 54 of the Fund’s Statement of Additional Information (the “SAI”).

Revisions to August 2019 Prospectuses

Effective immediately, in each Fund’s Fund Summary, the last sentence under the heading “Fees and Expenses of the Fund” is deleted in its entirety and replaced with the following.

More information about these and other discounts is available from your financial professional and under the “Sales Charges” section on page 461 of the Prospectus, in Appendix A to the Prospectus — “Sales Charge Waivers and Discounts Available Through Intermediaries,” and in the “Sales Charges, Reductions, and Waivers” section beginning on page 88 of the Fund’s Statement of Additional Information (the “SAI”).

Please retain this supplement for future reference.

RDX-PRO-SUP3-1219x0520/0820
Rydex Funds Summary Prospectus
Class A and Class C

<table>
<thead>
<tr>
<th>Ticker Symbol</th>
<th>Fund Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class A</td>
<td>Class C</td>
</tr>
<tr>
<td>RYTHX</td>
<td>RYCHX</td>
</tr>
<tr>
<td></td>
<td>Technology Fund</td>
</tr>
</tbody>
</table>

Beginning on January 1, 2021, paper copies of the Fund's annual and semi-annual shareholder reports will no longer be sent by mail, unless you specifically request paper copies of the reports from the Fund or from your financial intermediary. Instead, the reports will be made available on a website, and you will be notified by mail each time a report is posted and provided with a website link to access the report.

If you already elected to receive shareholder reports electronically, you will not be affected by this change, and you need not take any action. At any time, you may elect to receive reports and other communications from the Fund electronically by calling 800.820.0888, going to GuggenheimInvestments.com/myaccount, or contacting your financial intermediary.

You may elect to receive all future shareholder reports in paper free of charge. If you hold shares of the Fund directly, you can inform the Fund that you wish to receive paper copies of reports by calling 800.820.0888. If you hold shares of the Fund through a financial intermediary, please contact the financial intermediary to make this election. Your election to receive reports in paper will apply to all Guggenheim Funds in which you are invested and may apply to all funds held with your financial intermediary.

Before you invest, you may wish to review the Fund's Prospectus, which contains more information about the Fund and its risks. You may obtain the Prospectus and other information about the Fund, including the Statement of Additional Information (SAI) and most recent reports to shareholders, at no cost by visiting guggenheiminvestments.com/services/prospectuses-and-reports, calling 800.820.0888 or e-mailing services@guggenheiminvestments.com. The Fund's Prospectus and SAI, both dated August 1, 2019, as revised from time to time, and the Fund's most recent shareholder reports, are incorporated by reference into this Summary Prospectus.
TECHNOLOGY FUND

INVESTMENT OBJECTIVE
The Technology Fund (the “Fund”) seeks to provide capital appreciation by investing in companies that are involved in the technology sector, including computer software and service companies, semiconductor manufacturers, networking and telecommunications equipment manufacturers, PC hardware and peripherals companies ("Technology Companies").

FEES AND EXPENSES OF THE FUND
This table describes the fees and expenses that you may pay if you buy and hold Class A shares or Class C shares of the Fund. You may qualify for sales charge discounts if you and your family invest, or agree to invest in the future, at least $100,000 in certain funds in the Guggenheim Investments family of funds. More information about these and other discounts is available from your financial professional and under the “Sales Charges” section on page 461 of the Prospectus, in Appendix A to the Prospectus — "Sales Charge Waivers and Discounts Available Through Intermediaries," and in the “Sales Charges, Reductions, and Waivers” section beginning on page 85 of the Fund’s Statement of Additional Information (the “SAI”).

<table>
<thead>
<tr>
<th>SHAREHOLDER FEES (fees paid directly from your investment)</th>
<th>Class A</th>
<th>Class C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Sales Charge (Load) Imposed on Purchases (as a percentage of offering price)</td>
<td>4.75%</td>
<td>None</td>
</tr>
<tr>
<td>Maximum Deferred Sales Charge (Load) (as a percentage of initial purchase price or current market value, whichever is less)</td>
<td>None</td>
<td>1.00%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANNUAL FUND OPERATING EXPENSES (expenses that you pay each year as a percentage of the value of your investment)</th>
<th>Class A</th>
<th>Class C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Management Fees</td>
<td>0.85%</td>
<td>0.85%</td>
</tr>
<tr>
<td>Distribution and/or Shareholder Service (12b-1) Fees</td>
<td>0.25%</td>
<td>1.00%</td>
</tr>
<tr>
<td>Other Expenses</td>
<td>0.61%</td>
<td>0.61%</td>
</tr>
<tr>
<td>Total Annual Fund Operating Expenses</td>
<td>1.71%</td>
<td>2.46%</td>
</tr>
</tbody>
</table>

EXAMPLE
This Example is intended to help you compare the cost of investing in the Fund with the cost of investing in other mutual funds.

The Example assumes that you invest $10,000 in the Fund for the time periods indicated and then redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return each year and that the Fund's operating expenses remain the same. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<table>
<thead>
<tr>
<th></th>
<th>1 Year</th>
<th>3 Years</th>
<th>5 Years</th>
<th>10 Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class A</td>
<td>$641</td>
<td>$988</td>
<td>$1,359</td>
<td>$2,398</td>
</tr>
<tr>
<td>Class C</td>
<td>$349</td>
<td>$767</td>
<td>$1,311</td>
<td>$2,796</td>
</tr>
</tbody>
</table>

You would pay the following expenses if you did not redeem your shares:

<table>
<thead>
<tr>
<th></th>
<th>1 Year</th>
<th>3 Years</th>
<th>5 Years</th>
<th>10 Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class C</td>
<td>$249</td>
<td>$767</td>
<td>$1,311</td>
<td>$2,796</td>
</tr>
</tbody>
</table>

PORTFOLIO TURNOVER
The Fund pays transaction costs, such as commissions, when it buys and sells securities (or “turns over” its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when Fund shares are held in a taxable account. These costs, which are not reflected in the Total Annual Fund Operating Expenses or
the Example, affect the Fund’s performance. During the most recent fiscal year, the Fund’s portfolio turnover rate was 255% of the average value of its portfolio. The Fund’s portfolio turnover rate is calculated without regard to cash instruments and most derivatives. If such instruments were included, the Fund’s portfolio turnover rate might be significantly higher.

PRINCIPAL INVESTMENT STRATEGIES
Under normal circumstances, the Fund invests substantially all (at least 80%) of its net assets in equity securities of Technology Companies that are traded in the United States and in derivatives, which primarily consist of futures contracts and options on securities, futures contracts, and stock indices. The Fund may invest to a significant extent in the securities of Technology Companies that have small to mid-sized capitalizations. Technology Companies are companies that the Advisor believes have, or will develop, products, processes, or services that will provide technological advances and improvements. These companies may include, for example, companies that develop, produce or distribute products or services in the computer, semiconductor, electronics and communications sectors. The Fund also may purchase American Depositary Receipts (“ADRs”) to gain exposure to foreign Technology Companies and U.S. government securities.

Investments in derivative instruments, such as futures and options, have the economic effect of creating financial leverage in the Fund’s portfolio because such investments may give rise to losses that exceed the amount the Fund has invested in those instruments. Financial leverage will magnify, sometimes significantly, the Fund’s exposure to any increase or decrease in prices associated with a particular reference asset resulting in increased volatility in the value of the Fund’s portfolio. The value of the Fund’s portfolio is likely to experience greater volatility over short-term periods. While such financial leverage has the potential to produce greater gains, it also may result in greater losses, which in some cases may cause the Fund to liquidate other portfolio investments at a loss to comply with limits on leverage and asset segregation requirements imposed by the Investment Company Act of 1940 or to meet redemption requests.

In an effort to ensure that the Fund is fully invested on a day-to-day basis, the Fund may conduct any necessary trading activity at or just prior to the close of the U.S. financial markets. As of June 30, 2019, the Fund has significant exposure to the Communication Services Sector and Information Technology Sector, as each sector is defined by the Global Industry Classification Standard, a widely recognized industry classification methodology developed by MSCI, Inc. and Standard & Poor’s Financial Services LLC. Also, as of June 30, 2019, the Fund’s investments are concentrated (i.e., more than 25% of its assets) in securities issued by companies in the Software Industry, a separate industry within the Information Technology Sector.

PRINCIPAL RISKS
As with all mutual funds, a shareholder is subject to the risk that his or her investment could lose money. In addition to this risk, the Fund is subject to the principal risks described below.

DEPOSITARY RECEIPT RISK—The Fund may hold the securities of non-U.S. companies in the form of ADRs. The underlying securities of the ADRs in the Fund’s portfolio are subject to fluctuations in foreign currency exchange rates that may affect the value of the Fund’s portfolio. In addition, the value of the securities underlying the ADRs may change materially when the U.S. markets are not open for trading. Investments in the underlying foreign securities also involve political and economic risks distinct from those associated with investing in the securities of U.S. issuers.

DERIVATIVES RISK—The Fund’s investments in derivatives may pose risks in addition to and greater than those associated with investing directly in securities or other investments, including risks relating to leverage, imperfect correlations with underlying investments or the Fund’s other portfolio holdings, high price volatility, lack of availability, counterparty credit, liquidity, valuation and legal restrictions. Their use is a highly specialized activity that involves investment techniques and risks different from those associated with ordinary portfolio securities transactions. If the Advisor is incorrect about its expectations of market conditions, the use of derivatives could also result in a loss, which in some cases may be unlimited. Certain risks are specific to the derivatives in which the Fund invests.

FUTURES CONTRACTS RISK—Futures contracts are typically exchange-traded contracts that call for the future delivery of an asset at a certain price and date, or cash settlement of the terms of the contract. Risks of futures contracts may be caused by an imperfect correlation between movements in the price of the instruments and the price of the underlying securities. In addition, there is the risk that the Fund may not be able to enter into
a closing transaction because of an illiquid market. Exchanges can limit the number of positions that can be held or controlled by the Fund or the Advisor, thus limiting the ability to implement the Fund’s strategies. Futures markets are highly volatile and the use of futures may increase the volatility of the Fund’s net asset value (“NAV”). Futures also are subject to leverage risks and to liquidity risk.

OPTIONS CONTRACTS RISK—Options or options on futures contracts give the holder of the option the right to buy (or to sell) a position in a security or in a contract to the writer of the option, at a certain price. They are subject to correlation risk because there may be an imperfect correlation between the options and the securities markets that cause a given transaction to fail to achieve its objectives. The successful use of options depends on the Advisor’s ability to correctly predict future price fluctuations and the degree of correlation between the options and securities markets. Exchanges can limit the number of positions that can be held or controlled by the Fund or the Advisor, thus limiting the ability to implement the Fund’s strategies. Options also are particularly subject to leverage risk and can be subject to liquidity risk.

EARLY CLOSING RISK—The Fund is subject to the risk that unanticipated early closings of securities exchanges and other financial markets may result in the Fund’s inability to buy or sell securities or other financial instruments on that day and may cause the Fund to incur substantial trading losses.

EQUITY RISK—The Fund is subject to the risk that the value of the equity securities and equity-based derivatives in the Fund’s portfolio will decline due to volatility in the equity market caused by general market and economic conditions, perceptions regarding particular industries represented in the equity market, or factors relating to specific companies to which the Fund has investment exposure.

FOREIGN ISSUER EXPOSURE RISK—The Fund may invest in securities of foreign companies directly, or in financial instruments that are indirectly linked to the performance of foreign issuers, such as ADRs. The Fund’s exposure to foreign issuers and investments in foreign securities, if any, are subject to additional risks in comparison to U.S. securities and U.S. issuers, including currency fluctuations, adverse political and economic developments, unreliable or untimely information, less liquidity, limited legal recourse and higher transactional costs.

INDUSTRY CONCENTRATION RISK—The Fund expects to concentrate (i.e., invest more than 25% of its net assets) its investments in a limited number of issuers conducting business in the same industry or group of related industries. To the extent the Fund does so, the Fund is more vulnerable to adverse market, economic, regulatory, political or other developments affecting that industry or group of related industries than a fund that invests its assets more broadly. As of June 30, 2019, the Fund’s investments are concentrated in securities issued by companies in the Software Industry. As a result of the Fund’s concentration in the Software Industry, the Fund is subject to the risks associated with that Industry. The Software Industry includes companies engaged in developing and producing software designed for specialized applications and systems and database management software and manufacturers of home entertainment and educational software used primarily in the home. The prices of the securities of issuers in the Software Industry may fluctuate widely due to competitive pressures, increased sensitivity to short product cycles and aggressive pricing, heavy expenses incurred for research and development of products or services that prove unsuccessful, challenges related to bringing products to market, and rapid obsolescence of products. In addition, many software companies rely on a combination of patents, copyrights, trademarks and trade secret laws to establish and protect their proprietary rights in their products and technologies. There can be no assurance that the steps taken by software companies to protect their proprietary rights will be adequate to prevent misappropriation of their technology or that competitors will not independently develop technologies that are substantially equivalent or superior to such companies’ technology. Legislative or regulatory changes and increased government supervision also may affect companies in the Software Industry. The Software Industry is a separate industry within the Information Technology Sector.

MARKET RISK—The market value of the securities and derivatives held by the Fund may fluctuate over time in response to factors affecting individual companies or other factors such as changing economic, political or financial markets.

MID-CAPITALIZATION SECURITIES RISK—The Fund is subject to the risk that medium-capitalization stocks may underperform other segments of the equity market or the equity market as a whole. Securities of medium-capitalization companies may experience more price volatility, greater spreads between their bid and ask prices, lower trading volumes, and cyclical or static growth prospects. Medium-capitalization companies often have limited product
lines, markets or financial resources, and may therefore be more vulnerable to adverse developments than larger capitalization companies.

**PORTFOLIO TURNOVER RISK**—The Fund’s strategy may frequently involve buying and selling portfolio securities, which may lead to increased costs to the Fund. Portfolio turnover risk may cause the Fund’s performance to be less than you expect.

**SECTOR RISK**—The Fund is subject to the Sector Risk described below.

*Communication Services Sector Risk.* The Fund’s investments are exposed to issuers conducting business in the Communication Services Sector. The Communication Services Sector includes companies that facilitate communication and offer related content and information through various mediums. It includes telecom and media & entertainment companies including producers of interactive gaming products and companies engaged in content and information creation or distribution through proprietary platforms. The Fund is subject to the risk that the securities of such issuers will underperform the market as a whole due to legislative or regulatory changes, adverse market conditions and/or increased competition affecting the Communication Services Sector. The performance of companies operating in the Communication Services Sector has historically been closely tied to the performance of the overall economy, and also is affected by economic growth, consumer confidence, attitudes and spending. Increased sensitivity to short product cycles and aggressive pricing, challenges in bringing products to market and changes in demographics and consumer tastes also can affect the demand for, and success of, communication services products and services in the marketplace.

*Information Technology Sector Risk.* The Fund’s investments are exposed to issuers conducting business in the Information Technology Sector. The Information Technology Sector includes companies that offer software and information technology services, manufacturers and distributors of technology hardware and equipment such as communications equipment, cellular phones, computers and peripherals, electronic equipment and related instruments and semiconductors. The Fund is subject to the risk that the securities of such issuers will underperform the market as a whole due to legislative or regulatory changes, adverse market conditions and/or increased competition affecting the Information Technology Sector. The prices of the securities of companies operating in the Information Technology Sector are closely tied to market competition, increased sensitivity to short product cycles and aggressive pricing, and problems with bringing products to market.

**SHAREHOLDER TRADING RISK**—The Fund may be used as a tool for certain investors that employ trading strategies involving frequent trading. Such trading strategies may lead to increased portfolio turnover in the Fund, higher transaction costs, and the possibility of increased short-term capital gains (which will be taxable to shareholders as ordinary income when distributed to them) and/or long-term capital gains. Large movements of assets into and out of the Fund due to active or frequent trading also may adversely affect the Fund’s ability to achieve its investment objective.

**SMALL-CAPITALIZATION SECURITIES RISK**—The Fund is subject to the risk that small-capitalization stocks may underperform other segments of the equity market or the equity market as a whole. Small-capitalization companies may be more vulnerable than larger, more established organizations to adverse business or economic developments. Securities of small-capitalization companies may experience much more price volatility, greater spreads between their bid and ask prices, significantly lower trading volumes, and cyclical or static growth prospects. Small-capitalization companies often have limited product lines, markets or financial resources, and may therefore be more vulnerable to adverse developments than larger capitalization companies.

**TEMPORARY DEFENSIVE INVESTMENT RISK**—The Advisor generally does not attempt to take defensive positions in the Fund in declining markets. Therefore, the Fund may be subject to greater losses in a declining market than a fund that does take defensive positions in declining markets.

**TRADING HALT RISK**—The Fund typically will hold futures contracts and short-term options. The major exchanges on which these contracts are traded, such as the Chicago Mercantile Exchange, have established limits on how much the trading price of a futures contract or option may decline over various time periods within a day, and may halt trading in a contract that exceeds such limits. If a trading halt occurs, the Fund may temporarily be unable to purchase...
or sell certain securities, futures contracts or options. Such a trading halt near the time the Fund prices its shares may prevent the Fund from achieving its investment objective.

PERFORMANCE INFORMATION

The following bar chart shows the performance of the Class C shares of the Fund from year to year. The variability of performance over time provides an indication of the risks of investing in the Fund. The following tables show the performance of the Class A shares and Class C shares of the Fund as an average over different periods of time in comparison to the performance of a broad-based market index. The figures in the bar chart and tables assume the reinvestment of dividends and capital gains distributions; however, the figures in the bar chart do not reflect sales charges. If the figures in the bar chart reflected sales charges, returns would be lower. Of course, this past performance (before and after taxes) does not necessarily indicate how the Fund will perform in the future.

Updated performance information is available on the Fund’s website at www.guggenheiminvestments.com or by calling 800.820.0888.

The performance information shown below for Class C shares is based on a calendar year. The year-to-date return for the period from January 1, 2019 through June 30, 2019 is 25.39%.

AVERAGE ANNUAL TOTAL RETURN (for periods ended December 31, 2018)

The after-tax returns presented in the table below are calculated using highest historical individual federal marginal income tax rates and do not reflect the impact of state and local taxes. Your actual after-tax returns will depend on your specific tax situation and may differ from those shown below. After-tax returns are not relevant to investors who hold shares of the Fund through tax-deferred arrangements, such as 401(k) plans or individual retirement accounts.

<table>
<thead>
<tr>
<th>Class A</th>
<th>Past 1 Year</th>
<th>Past 5 Years</th>
<th>Past 10 Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Return Before Taxes</td>
<td>-6.04%</td>
<td>8.98%</td>
<td>13.87%</td>
</tr>
<tr>
<td>Return After Taxes on Distributions</td>
<td>-8.04%</td>
<td>8.44%</td>
<td>13.59%</td>
</tr>
<tr>
<td>Return After Taxes on Distributions and Sale of Fund Shares</td>
<td>-3.51%</td>
<td>6.91%</td>
<td>11.62%</td>
</tr>
<tr>
<td>S&amp;P 500® Index (reflects no deduction for fees, expenses or taxes)</td>
<td>-4.38%</td>
<td>8.49%</td>
<td>13.12%</td>
</tr>
</tbody>
</table>
## MANAGEMENT

### INVESTMENT ADVISOR

Security Investors, LLC, which operates under the name Guggenheim Investments, serves as the investment adviser of the Fund.

### PORTFOLIO MANAGERS

- **Michael P. Byrum**, CFA, Senior Vice President. Mr. Byrum has been associated with the Advisor since 1993.
- **Ryan A. Harder**, CFA, Portfolio Manager. Mr. Harder has been associated with the Advisor since 2004.

### PURCHASE AND SALE OF FUND SHARES

The minimum initial investment amounts and minimum account balance requirements for Class A or Class C accounts held through a third party (e.g., a brokerage account) are typically:

- $1,000 for retirement accounts
- $2,500 for all other accounts

Class A and Class C accounts opened through a financial intermediary (non-direct) will be subject to your financial intermediary's minimum initial investment amount and minimum account balance requirements, which may be different than the amounts above.

Class A and Class C accounts held directly at Guggenheim Investments (other than those that are managed by financial professionals) are subject to a minimum initial investment and account balance of $5,000. Class A and Class C direct accounts managed by financial professionals are not subject to minimum initial investment and minimum account balance requirements.

There are no minimum amount requirements for subsequent investments in the Fund except for subsequent investments made via Automated Clearing House (“ACH”).

The Fund reserves the right to modify its minimum account balance requirements at any time, with or without prior notice to you.

The Fund redeems its shares continuously and investors may sell their shares back to the Fund on any day that the New York Stock Exchange (the “NYSE”) is open for business (a “Business Day”). You will ordinarily submit your transaction order through your financial intermediary or other securities dealers through which you opened your shareholder account or through Guggenheim Investments directly. The Fund also offers you the option to send redemption orders to Guggenheim Investments by mail, fax or telephone.

### TAX INFORMATION

Fund distributions are generally taxable as ordinary income, qualified dividend income, or capital gains (or a combination thereof), unless your investment is in an IRA or other tax-advantaged retirement account. Investments through a tax-advantaged retirement account may be subject to taxation upon withdrawal.

### PAYMENTS TO BROKER-DEALERS AND OTHER FINANCIAL INTERMEDIARIES

If you purchase the Fund through a broker-dealer or other financial intermediary (such as a bank), the Fund and its related companies may pay the intermediary for the sale of Fund shares and related services. These payments may
create a conflict of interest by influencing the broker-dealer or other intermediary and your sales person to recommend the Fund over another investment. Ask your sales person or visit your financial intermediary's website for more information.