

December 13, 2022

In Today's Issue

- The sudden bankruptcy of crypto exchange FTX and the fall from grace of former crypto darling Sam Bankman-Fried has captivated the investing world.
- Investor interest in the crypto space is still high and whether it pertained to your investment exposure or not, we believe there's value in understanding this story so that you can speak confidently about the events and crypto space more broadly with clients or prospects.
- Our goal in this issue is to provide perspective about the collapse of FTX and its impact on the crypto industry from an investment standpoint, and to arm you with analytical data to respond to any FTX or crypto-related inquiries.
- We utilized a Q&A format to enhance your knowledge and share a thoughtful approach to the crypto industry moving forward.
- Question 1: What does this event mean for the broader crypto industry?
- Question 2: How does the FTX downfall impact other crypto exchanges?
- Question 3: Are there still reasonable places to invest in crypto currencies or blockchain?
- Question 4: Is this a good time to buy when there is blood in the streets?
- Question 5: What should clients be doing with their crypto investments right now?

Navigating Crypto's 'Lehman Moment'

As advisors, we spend most of our time on research that is meaningful to the bulk of our portfolio positioning. That generally means stocks and bonds take priority with a smattering of other tangential interests in commodities, currencies, or other nontraditional asset classes. We all strive to stay on top of those areas that we own most so that we can continually evaluate the contributions towards our long-term wealth building efforts.

Yet every now and then the financial world is captivated by a story of financial misdealing or bungled risks that takes center stage. Even the best of us find intrigue in the implosion of a trade or institution that was once idolized for its innovative attributes. That is exactly where we found ourselves last month with the shocking announcement by cryptocurrency exchange FTX that it was filing for bankruptcy protection.

Its founder and chief executive, Sam Bankman-Fried (or "SBF" as he is notoriously known), stepped down from the company and is facing allegations of financial mismanagement and comingling of customer funds among related crypto entities. The company was once valued at as much as \$32 billion in January of this year when it closed a funding round led by private equity powerhouse SoftBank.

Through a series of unfortunate events that are still being uncovered today, the company has been placed in receivership after it was unable to secure a private bailout. Several news outlets have reported that FTX could be facing as many as one million unsecured creditors through these proceedings with no certainty of restitution to customers.

The shockwaves of this news unsurprisingly led to ripple effects throughout the broader crypto industry, which had not been having the best year to begin with. Bitcoin had been clawing its way back above \$21,000 before it swiftly plunged below \$16,000 in a matter of days. A drop of more than 24%! Several other widely held coins such as Ethereum and XRP also followed suit. The effects of this damage can be seen on the chart here.

The collapse of FTX is no doubt sparking concern among your client base in numerous ways. I'm sure many of your relationships are passive spectators that are simply curious about what led to this event. Others who have been strident believers in

the crypto investment case may have meaningful exposure to cryptocurrencies or crypto-systemic stocks that are going to feel the industrywide impact.

Whether it pertains to your investment exposure or not, there is value in understanding these stories so that you can speak cogently

about them with your clients. They also serve as a steady reminder about what not to do when managing your own business or investment probability dynamics.

Our goal with this guide is to provide perspective on the collapse of FTX and its impact on the crypto markets from an investment standpoint. We also want to arm you with analytical data to respond to inquiries so that your clients are dealing with facts rather than unconstrained speculation.

The following Q&A style report is designed to enhance your knowledge and share thoughtful approaches to the crypto markets moving forward.

What does this event mean for the broader crypto industry?

Treasury Secretary Janet Yellen hit the nail on the head when she recently compared the demise of FTX to one of the biggest dominoes to fall during the Great Financial Crisis. She then further elaborated on the unchecked risks to the crypto industry which is renowned for its lack of regulation.

"It's a Lehman moment within crypto, and crypto was big enough that you've had substantial harm of investors, and particularly people who aren't very well informed about the risks that they're undertaking," she said at the New York Times DealBook

Summit on November 30. (source).

Yellen went on to state "I think everything we've lived through over the last couple of weeks, but earlier as well, says this is an industry that really needs to have adequate regulation, and it doesn't."



The reality is that the tension of

the FTX bankruptcy is a blow to the reputation of global cryptocurrency exchanges that will take some time to heal. Other major companies in this realm such as Binance, Coinbase, and Kraken are going to have to actively reassure customers and investors that they are sound avenues of financial exchange. That starts with basic financial controls such as independent audits, impartial board members, and heightened internal risk procedures that are the foundation of established investment companies.

Crypto investors also are going to be far more discerning in their choices of who to trade with and who holds custody of their assets. This is particularly true for larger institutional clients who hold hundreds of millions of dollars in these digital tokens. There also is likely to be at least a temporary uptick in investors withdrawing assets from major crypto exchanges to hold them in "cold storage." This refers to the act of storing digital assets in an offline hardware wallet that is not connected to the internet and is in the sole control of the owner.

The calls for regulation within the crypto industry are going to become louder as well. We are already seeing U.S. Congressional and Justice Department

inquiries into the financial misdealing at FTX. This may spur broader legislation about how to regulate the custody, trading, and pricing of the cryptocurrency markets.

The flip side is that crypto purists chafe against the prospect of financial regulation. They advocate for free markets with faceless ownership of assets in a libertarian -style economic system. There are also significant hurdles to overcome in how to regulate the industry when trading is decentralized and globally administered 24/7/365. It's a



tough nut to crack and the countries that have tried to impose safeguards around cryptocurrencies thus far have experienced limited success in their efforts.

If Yellen's comments are true and this truly is a "Lehman moment" for the crypto markets, then we are likely to see greater community oversight of crypto-related firms. For example, private equity is going to be far more wary about investing in companies that fall short in their financial controls. Customers and trading partners also are going to ramp up their expectations for transparency and adequate protection as well. If these forms of self-regulation come to fruition, it's going to lead to a more attractive and safer marketplace for all investors over the long term.

How does the FTX downfall impact other crypto exchanges?

One burning question in the aftermath of the FTX bankruptcy is whether this event impacts other large and well-known digital trading platforms. Recent tweets and public announcements from the heads of Crypto.com, Coinbase, Robinhood, eToro,

and Kraken have intimated that their exposure to FTX or the FTT token at the center of this controversy is immaterial. These exchanges are currently operating as normal and trying to distance themselves from the halo effect of the negative publicity.

(source)

The one outlier in this environment is crypto exchange BlockFi, which also recently froze customer withdrawals and filed for Chapter 11 bankruptcy protection. The company's balance sheet indicated a \$275 million loan to FTX and it was unable to meet its current obligations to

remain solvent. It's clearly experiencing the negative financial consequences of its direct association with FTX as can be expected during this type of situation.

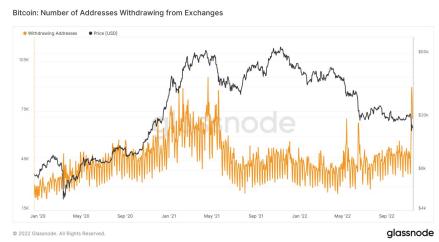
A look at some of the larger publicly traded stocks in the crypto exchange and digital token mining industries shows little direct impact in their trading patterns relative to the FTX news. Robinhood Markets Inc (HOOD), which allows the trading of digital assets alongside conventional registered public securities, showed the biggest blip on the radar overall. Its share price is already starting to recover from the initial volatility.

The price patterns of these companies are largely following the overall downtrend of the major crypto benchmarks such as Bitcoin and Ethereum this year. That tracks with their historical correlations to the overall marketplace and indicates that the FTX event was not a significant direct influence on these businesses.

One consequential industry shakeup has been the number of investors who have pulled their Bitcoin and other assets from digital exchanges in favor of self-custody. A spike in the number of addresses withdrawing Bitcoin from exchanges in November can be noted on the chart here. This has been subsequently backed up by independent verification of

exchange reserves that notes over \$3 billion in Bitcoin was withdrawn between Nov. 8 and Nov. 15. (source)

Again, this is not surprising given the fears of industrywide contagion and experts advocating for long-term investors to proactively



those who lean with too much fervency towards this asset class.

tomers. Conversely, there will be responsible busi-

nesses that do right by their clients and follow a

stronger moral compass.

self-custody. It's the digital equivalent of pulling your money out of the bank and storing cash under your mattress. If cryptocurrency prices ultimately recover in a meaningful way, there is a high probability we see these assets migrate back into exchanges where trading activity occurs.

Are there still reasonable places to invest in cryptocurrencies or blockchain?

The allegations of fraud and mismanaged customer funds at FTX leading to its subsequent downfall appear to be isolated to the lack of internal controls at this one institution. It's not necessarily a condemnation of the entire industry. Many detractors will point to this incident as a perfect example of why these digital assets are flawed and there are certainly credible arguments to consider in that vein. However, it would be foolish to believe that this single event will deter all investors that accept the risks and believe in the blockchain technology that underpins these investments.

I heard an analogy the other day from a colleague that made perfect sense. He said that swearing off the entire crypto market because of FTX would be like citing Bernie Madoff's Ponzi scheme as a reason never to invest in stocks. There are always going to be irresponsible actors in any investment capacity that take advantage of loopholes or deceive cus-

We have always pointed to crypto-currencies and their associated network companies as speculative in nature due to the inherent volatility surrounding this sector. That classification still holds up today and is one of the reasons we have always

urged caution to

A review of two of the largest ETFs in the crypto sector can provide some much-needed perspective as well. The **ProShares Bitcoin Strategy ETF (BITO)** is a fund we have profiled several times as a popular vehicle that owns Bitcoin futures contracts. These highly liquid contracts trade on the CME exchange and seek to track the daily percentage price change of the largest cryptocurrency benchmark. The fund gained notoriety by being the first of this style and swiftly gained over \$1 billion in assets in just a few trading days when it debuted last year.

A look at a one-year chart of BITO versus the price of Bitcoin shows that this fund has done an admirable job at tracking its underlying index to achieve the stated objective. Furthermore, fund flow data show that investors have continued to pour more than \$230 million into this ETF this year despite the ugly downtrend.

The stress on the cryptocurrency ecosystem because of the FTX news generated four days of trading volume in BITO that exceeded 10 million shares per day. This was a significant spike in liquidity that the fund handled with considerable poise bearing in mind the pressure cooker conditions.

It's been widely reported that Bitcoin futures trade considerable daily volume that often exceeds that of the underlying asset itself. That lends some

ProShares Bitcoin Strategy ETF (BITO) Price % Change
 Bitcoin Price (I:BTCUSD) % Change

measure of credibility to the capabilities of this ETF as a viable investment vehicle for those that want to invest in the price direction of Bitcoin without having to own the digital tokens outright.

Another bellwether of overall crypto sector sentiment is the Amplify Transforma-

tional Data Sharing ETF (BLOK). This fund debuted back in 2018 and continues to be one of the largest industry-wide tracking tools for blockchain and associated cryptocurrency network companies.

That includes stocks such as International Business Machines (IBM), CME Group Inc (CME), Block Inc (SQ), and Coinbase Global Inc (COIN) to name a few. With nearly 50 stocks encompassed in this basket, there is a high degree of diversification and large-cap global technology exposure to counterbalance the more speculative crypto enterprises.

Again, from a pricing perspective, it's been a business-as-usual trading pattern for BLOK that has generally correlated closely with the broader momentum of cryptocurrencies. The year has been characterized by a risk-off mentality towards technology stocks and that is reflected in the



much of a negative halo effect for these stocks in direct relation to the FTX bankruptcy in November.

0.00%

-50.00%

The combination of these evidence-based factors should be evaluated when considering the types of crypto-currency investments available and their prevailing risk characteristics. It was already an ugly year for digital assets and crypto stocks before the FTX implosion, but

the industry appears to be weathering the storm with less angst than one might expect from the headlines alone.

Dec 04 2022, 11:14AM EST. Powered by YCHARTS

Is this a good time to buy when there is blood in the streets?

The million-dollar question is whether this moment represents a potential capitulation point for the broader crypto space. As we have seen through prior periods of stock market downtrends, points of extreme negative sentiment often precipitate

meaningful changes in cyclical trends.

Several notable websites that track crypto sentiment have indicated that sentiment is highly skewed into the negative right now. That should be obvious considering the current environmental conditions in addition to the length of the downturn

throughout 2022.

overall trend. There doesn't appear to be all that

No one can accurately predict when the absolute bottom will materialize and the next uptrend will take hold. Even bad conditions can always get worse before they get better. However, for those that have been waiting for trading opportunities, it certainly warrants a strategic look at the market surroundings and risk dynamics.

We continue to advocate for small position sizes as a primary risk-management tool. Secondary con-

cerns may also warrant additional layers of protection using trailing stop losses or other defined exit strategies to jettison positions as needed.

What should clients be doing with their crypto investments at this point?

If the collapse of FTX has taught us anything it's that advisors and clients need

to be hyper-aware of what they own in the crypto space and how they own it. The custody of assets at privately held exchanges should be closely scrutinized to determine if those tokens should be moved offline or diversified elsewhere.

Considering the history of institutional level hacks and the potential for corporate malfeasance, you really can't be 100% sure these assets domiciled on exchanges are guaranteed to the level of a traditional brokerage company. That's one of the inherent risks in unregulated investments with faceless ownership and all-digital transaction ledgers. Any clients that don't fully understand that dynamic should avoid the sector outright.

Every avenue of investment within the crypto space comes with its own set of pros and cons. That's why it's vital to explore multiple options before committing money to the sector or when attempting to deleverage concentrated holdings. We highly encourage a diversified approach to help mitigate the risk of losing control of these assets.

Ways to Own Crypto:

- Financial apps such as PayPal or Square
- Crypto exchanges such as CoinDesk
- Trading apps such as Robinhood
 - ETFs that track
 Bitcoin futures
 (BITO) or associated
 crypto companies
 (BLOK)
 - Individual publicly traded stocks engaged in hardware, software, crypto mining, or financial services
 - Exchange-traded products that own digital tokens such as GBTC or ETHE.
 - Offline cold wallets (self-custody).

Point of Maximum Financial Risk Euphoria "Wow, am I Smart." "Temporary set back - I'm Anxiety a long-term investor." Thrill Denial Fear Excitement Desperation Optimis Optimism • Relief Panic Hope "How could I Capitulation Depression have been so Despondency wrong?" Point of Maximum Financial Opportunity

Those investors that

had their assets at FTX or BlockFi and are unable to withdraw funds may want to explore legal representation to administer their claim with the court system. The bankruptcy proceedings with these exchanges will be complicated and restitution is not guaranteed. However, there are court-appointed administrators that will be working diligently to unravel this mess and return whatever they possibly can to customers.

Conclusion

This year has brought myriad challenges for cryptocurrency investors and the FTX drama is another stumbling block on this journey. It's a terrible situation for anyone that was directly affected by the systemic failures of management and lack of financial discipline.

Even those who weren't affected can learn from
these mistakes and ensure that no conflicts of inter-
est exist in their own business. The best-case sce-
nario for the crypto world is that this experience
leads to better safeguards and ultimately more con-
fidence in the long-term applications of this unique
technology.
Doot
Best,
Tom
. 5

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Fund/Stock	<u>Strategy</u>	<u>Date</u>	Total Re- turn	Benchmark Perfor- mance Since Issue <u>Date</u>
Index Rebal KWEB (KraneShares CSI China Internet ETF)	KWEB is an index rebalance play based on major Chinese internet and ecommerce companies (China N-shares) being added to FTSE Emerging Market Indices between Sep 2017 and June 2018. KWEB is our conduit to front-run huge index funds that will be forced to buy its underlying holdings. What to do now: We closed KWEB on June 15th (last leg of rebal). It's still viable as a long-term holding.	Issue 1: 8/17/17 8/24/17	KWEB: 21.46% (closed)	ACWX: 6.93% (through KWEB close date)
Smart Beta Pioneer RSP (Invesco S&P 500 Equal Weight ETF)	From an index standpoint, S&P 500 Equal Weight has massively outperformed S&P 500 (cap weight) over the long term (392% vs. 158% over the last 18 years). RSP has lagged recently due to tech sector outperformance. That presents a short-term dislocation and opportunity to buy RSP at a discount to SPY. What to do now: Buy.	Issue 2: 9/7/17	RSP: 71.16%	SPY: 75.72%
Self-Driving Car Bas- ket SNSR (Global X Inter- net of Things ETF) ROBO (ROBO Global Robotics & Automa- tion Index ETF) AMBA (Ambarella) QCOM (Qualcomm)	Massive changes to the auto industry, including self-driving technology, are closer to the mainstream than most investors think. The foundational changes to the auto industry could be the next "Megatrend" in investing to provide outperformance for years to come. There is no pure play "self-driving" ETF yet, but SNSR and ROBO offer exposure to many tech companies that are best-positioned in the space. AMBA and QCOM are two of the better stocks with unique exposure to the growing self-driving car industry. What to do now: Buy the ETFs. We closed QCOM a month and a half after the Broadcom takeover announcement for a quick, sizable gain.	Issue 3: 9/21/17	SNSR: 67.76% ROBO: 27.33% AMBA: 72.25% QCOM: 23.20% (closed)	SPY: 72.87% SPY: 19.93% (through QCOM close date)
<u>Electric Car Battery</u> <u>Plays</u> LIT (Global X Lithium & Battery Tech ETF) ALB (Albemarle)	The trend towards the widespread adoption of electric cars is accelerating, with U.S. auto companies planning massive roll outs and several countries putting end dates on the internal combustion engine. From an investment angle, the key here is better technology, specifically lithium. LIT is a lithium ETF. ALB is one of the leading lithium plays in the market. What to do now: Long-term investors can buy now. But, as we said in the issue, LIT and ALB ran up big following China's electric car decision. Both have sold off since. The growth opportunity is years, if not decades, ahead.	Issue 3: 9/21/17	LIT: 90.37% ALB: 103.90%	SPY: 72.87%
Dividend Growth DIVY (Reality Shares DIVS ETF) REGL (ProShares S&P MidCap 400 Dividend Aristocrats ETF) SMDV (ProShares Russell 2000 Dividend Growers ETF)	Historically, dividends are responsible for half of the market's total return. They are an essential component of long-term outperformance. While most investors choose high-yielding dividend stocks, our research shows dividend growth stocks can generate better long-term returns. DIVY is the only ETF that isolates pure dividend growth. This ETF is a fixed income alternative that should provide steady single-digit returns with low volatility and true diversification. REGL and SMDV are ETFs that provide exposure to the "Dividend Aristocrats" of tomorrow. What to do now: Buy.	Issue 4: 10/4/17	REGL: 54.97% SMDV: 23.41%	AGG: 1.52% MDY: 46.68% IWM: 27.95%
Merger Arbitrage GABCX (Gabelli ABC Fund) MNA (IQ Merger Arbitrage ETF)	Merger arbitrage is a time-tested hedge fund strategy. It seeks to profit from the timely completion of mergers, takeovers and corporate re-orgs. The strategy has produced solid absolute returns with low correlations to stocks and bonds. GABCX and MNA are the two best-performing—and cheapest—options to invest in this space. What to do now: Buy.	Issue 5: 10/17/17	GABCX: 10.77% MNA: 5.27%	AGG: 1.36%

Fund/Stock	<u>Strategy</u>	<u>Date</u>	Total Re- turn	Benchmark Perfor- mance Since Issue Date
Special Dividends List of 24 stocks	Screened 17,070 stocks to arrive at 24 stocks that have consistently paid large special dividends. Investors can't see the true yields on these stocks because they're missing from financial websites. Our elite list has yields ranging from 50% to 600% higher than the S&P 500's yield. What to do now: Buy (multiple ways to implement in issue).	Issue 6: 10/31/17	Basket of stocks (avg.): 7.37%	50% SPY/50% AGG: 3.77%
Global Value GVAL (Cambria Glob- al Value ETF)	A fundamentally-focused deep value strategy that uses a cyclically-adjusted valuation composite to evaluate 45 global countries for investment. GVAL captures the cheapest countries and the cheapest stocks in those specific countries, too. What to do now: Buy.	Issue 9: 12/12/17	GVAL: -7.48%	ACWX: 7.19%
"Backdoor" Hedge Fund Investing List of 10 stocks	It's almost impossible for investors to access the world's best hedge fund managers. Either their funds are closed, the minimums are too steep (in the millions), or the fees are outrageously high ('2 & 20'). We found 10 little-known ways to access ace managers who have produced Buffett-like returns. What to do now: Buy (multiple ways to implement in issue).	Issue 10: 12/27/17	Basket of stocks (avg.): -5.09%	50% SPY/50% AGG: 1.30%
EM & FM Bonds EMB (iShares JPM USD Emerging Markets Bond ETF) EMLC (VanEck JPM EM Local Currency Bond ETF) EBND (SPDR Bloomberg Barclays Emerging Markets Local Bond ETF) AGEYX (American Beacon Global Evolution Frontier Markets Income Fund)	Most investors have no allocation to fixed income outside the U.S., but we think it's worth serious consideration. Emerging and frontier debt funds have yields 2X, 3X, and 4X the yields of traditional fixed income investments low correlations to major asset classes and healthier fundamentals (lower debt-to-GDP ratios, faster-growing economies, and better demographics) from a country perspective. EMB (emerging market debt hard currency), EMLC/EBND (emerging market debt local currency), and AGEYX (actively-managed frontier market debt) are all attractive options. What to do now: Buy.	Issue 11: 1/9/18	EMB: -7.10% EMLC: -17.45% EBND: -16.45% AGEYX: 5.81%	AGG: 1.78%
"Blockchain" Investing BLOK (Amplify Transformational Data Sharing ETF) BLCN (Reality Shares Nasdaq NexGen Economy ETF)	Blockchain, the technology behind cryptos, has the potential to change many industries. Having the right exposure to companies using or pioneering the use of blockchain, offers substantial long-term growth opportunities. Not only did we break the story on the first two blockchain ETFs (BLOK and BLCN) ahead of every financial media outlet, we also provided a sneak peek at their top holdings and a blockchain primer. What to do now: Buy (multiple ways to implement in issue).	Issue 12: 1/16/18	BLOK: -3.82% BLCN: -2.35%	SPY: 54.78%
"Active" Bond ETFs BOND (PIMCO Active Bond ETF) TOTL (SPDR Dou- bleLine Total Return Tactical ETF) FTSL (First Trust Sen- ior Loan Fund)	Studies show actively-managed fixed income funds have been much more successful at beating benchmarks than actively-managed equity funds. In addition, the "Agg" has changed for the worse over time: higher duration, lower yield, and less diversification. These three active bond ETFs—with better statistics and all-star portfolio management teams—stand a good chance at beating the Agg going forward. What to do now: Buy.	Issue 14: 2/20/18	BOND: 2.40% TOTL: 0.36% FTSL: 12.72%	AGG: 3.54%

<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Re- turn	Benchmark Perfor- mance Since Issue <u>Date</u>
<u>Cash Alpha</u> FPNIX (FPA New Income)	FPNIX has generated positive returns for 33 straight years. No other non-government bond fund can boast of an equivalent track record. We also featured "MaxMyInterest," which produces 140 to 150 basis points of alpha versus traditional cash vehicles (MMAs, MMFs, and CDs). Max also increases FDIC insurance and can give advisors visibility to held-away cash. What to do now: Buy (Max is also an excellent cash management solution).	Issue 15: 3/6/18	FPNIX: 5.96%	BIL: 5.11%
Index Rebal KBA (KraneShares Bosera MSCI China A Share ETF)	KBA is an index rebalance play based on the inclusion of Mainland Chinese equities (A-shares) into MSCI Global Standard Indexes. The first two steps will take place on June 1st and September 1st. KBA is our gateway to front-run massive index funds that will be forced to buy its underlying holdings. What to do now: Buy.	Issue 16: 3/20/18	KBA: 2.53%	ACWX: 4.65%
Anti-Trade War QABA (First Trust Nasdaq ABA Commu- nity Bank Index Fund)	QABA is a play to protect against trade war ramifications (97% of its sales are U.Ssourced). Additionally, it should also be a beneficiary of U.S. tax reform, in that, smaller U.S. companies should capture most of the 35% to 21% corporate tax cut. We also featured three more ETFs (AMCA, AIRR, KRE) and two exclusive stock screens—run through Cap IQ—for advisors to share with clients who have trade war concerns. What to do now: Buy.	Issue 18: 4/17/18	QABA: 12.78%	SPY: 58.03%
Foreign Small Caps VSS (Vanguard FTSE All-World ex-US Small -Cap ETF) DLS (WisdomTree International Small- Cap Dividend Fund)	Most advisors don't allocate to international small caps. But, we think they should reconsider. This hidden asset class holds several advantages over its U.S. equivalents: cheaper valuations, less volatility, lower correlations, higher dividend yields, and past outperformance. We highlight multiple individual ETFs, ETF combinations, and actively-managed mutual funds that do the trick. What to do now: Buy.	Issue 19: 5/1/18	VSS: -1.00% DLS: -9.76%	EFA: 9.14%
<u>Disruptive Innovation</u> ARKK (ARK Innovation ETF)	Investing in the "cornerstone themes of disruptive innovation" has resulted in huge profits over time (think Amazon, Apple, and Netflix). ARK sees current investment opportunities in innovation platforms, such as automation, energy storage, DNA sequencing, next generation internet, blockchain technology, etc. ARK's top innovation-based themes are all represented in ARKK. In 2017, ARKK was the #1 performing ETF (excluding leveraged and inverse ETFs) with a return of 87%! What to do now: Buy.	Issue 20: 5/15/18	ARKK: -12.68%	SPY: 57.45%
Buybacks PKW (Invesco Buy- Back Achievers ETF)	Companies with meaningful share count reduction have outperformed over the long term with lower volatility. Currently, U.S. companies are flush with cash due to tax cuts and repatriation. In turn, share repurchases broke a new record in Q1 2018 and they're on pace to set a new record for 2018. PKW is the premier ETF to profit from buybacks (largest asset base and longest history). We also featured four alternative ETFs (SPYB, TTFS, DIVB, SYLD) and some individual stock lists. What to do now: Buy.	Issue 21: 5/29/18	PKW: 63.74%	SPY: 58.73%
"FANG and Friends" of Emerging Markets EMQQ (Emerging Markets Internet & Ecommerce ETF)	"By 2025, annual consumption in emerging markets will reach \$30 trillion—the biggest growth opportunity in the history of capitalism."—McKinsey & Company. The combination of four major forces in emerging markets make this a great investment setup: favorable demographics, increasing smartphone availability, surging wireless broadband and Wifi access, and the globalization of the capital formation process. EMQQ is the best ETF to invest in this great confluence. We also featured three alternative ETFs (ECON, KWEB, KEMQ).	Issue 23: 6/26/18	EMQQ: -16.58%	EEM: -2.19%

Fund/Stock	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue <u>Date</u>
Micro Caps IWC (I-Shares Micro-Cap ETF)	Small caps outperformed until this most recent pullback, but while allocations to that sector of the market are rising, micro-caps, a sub-set of small caps, remain generally overlooked. Micro caps remain an overlooked, under-researched, and under-allocated part of the small cap universe that can offer diversification and outperformance (micro caps are perennial takeover candidates).	7/10/18	IWC: 5.39%	IWM: 12.79%
The Future of Consumer Spending IBUY (Amplify Online Retail ETF) FINX (Global X FinTech ETF) IPAY (ETFMG Prime Mobile Payments ETF)	The way U.S. consumers purchase goods is changing— rapidly. And, getting "pure play" exposure to the rise to on- line retailers and to the growth of mobile payments could be similar to investing in credit cards back in the mid-80's. There are few other established corners of the market that offer this type of growth potential.	7/24/18	IBUY: -19.80% FINX: -23.34% IPAY: -0.60%	SPY: 51.21%
Floating Rate Funds FLOT (I-Shares Floating Rate Bond ETF USFR (Wisdom Tree Floating Rate Treas- ury Fund) SRLN (SPDR Black- stone / GSO Senior Loan ETF EFR (Eaton Vance Floating Rate Trust)	Despite stubbornly high bonds/low yields, bonds are still now in a longer term bear market, and there exist few non-inverse bond alternatives that can produce absolute gains in a falling bond environment. Floating rate ETFs rise as bond yields fall and offer absolute return potential in bond portfolios, and are an important tool in constructing client bond portfolios in a rising rate environment.	8/6/18	FLOT: 6.09% USFR: 5.11% SRLN: 8.96% EFR: 7.76%	AGG: 2.79%
Content Is King PBS (Invesco Dynamic Media ETF) IEME (Ishares Evolved U.S. Media & Entertainment ETF) XLC (Communications services SPDR) DIS (Disney)	How generational changes in the cable TV industry are presenting massive long-term growth potential (think NFLX's 4000% return since 2012). Industry Primer: How the cable industry is changing from a service-based business, to a content-based business.	8/20/18	PBS: 4.99% IEME: 13.05% (Closed) XLC: 5.14% DIS: -14.55%	SPY: 48.89%
Momentum & Value PSCH (PowerShares S&P SmallCap Health Care Portfo- lio) SBIO (ALPS Medical Breakthroughs ETF) FXG (First Trust Con- sumer Staples Al- phaDex ETF)	In our first of a recurring series, each quarter we'll profile some of the best ETFs from a momentum and value standpoint. Most investors and prospects can be grouped into those two investing styles, and we want to provide consistent, value-add idea generation for each type of investor, so you're always armed with compelling ideas and stories for clients and prospects, regardless of their investment style.	9/4/18	PSCH: -5.74% SBIO: -20.56% FXG: 45.02%	SPY: 46.72%

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<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue Date
Commodities PDBC (Invesco Optimum Yield Diversified Commodity Strategy No K-1) GNR (SPDR S&P Global Natural Resources ETF) RLY (SPDR SSGA Multi-Asset Real Return ETF)	Commodities have typically outperformed during late expansion and early recession phases of the economic cycle. Many economic indicators imply we are entering (or are already in) the late expansion phase of the economic cycle. As such, commodities have outperformed so far this year, and we expect that to continue.	9/18/18	PDBC: 41.99% GNR: 36.68% RLY: 33.90%	DBC: 43.63%
Short Duration Bond ETFs MEAR (IShares Short Maturity Municipal Bond ETF) LDUR (PIMCO Enhanced Low Duration Active ETF) MINT (PIMCO Enhanced Short Maturity Active ETF)	The downtrend in bonds accelerated in September and October of 2018, and it was a reminder that advisors face challenges in the fixed income markets over the coming years. One of the best ways to protect investors in a bond bear market is by shortening duration of bond holdings, so we presented three short duration bond ETFs that have yields that are close to the 10 year Treasury, but that have much shorter average maturities.	10/16/18	MEAR: 3.77% LDUR: 3.34% MINT: 3.73%	BIL: 4.02%
Bear Market Strate- gies USMV (I-Shares Edge MSCI Minimum Vol- atility USA ETF) PTLC (Pacer Trendpi- lot US Large Cap ETF)	The October 2018 equity market decline sparked fears of an end to the multi-year bull market. So, we wanted to provide some suggestions on practical "bear market" strategies for advisors that wouldn't involve market timing or deviating from keeping clients in the markets over the longer term.	10/30/18	USMV: 45.94% PTLC: 36.12%	SH: -46.31%
Special Dividends List of 19 stocks	Screened 17,070 stocks to arrive at 19 stocks that have consistently paid large special dividends. Investors can't see the true yields on these stocks because they're missing from financial websites. Our elite list has yields ranging from 50% to 600% higher than the S&P 500's yield. What to do now: Buy (multiple ways to implement in issue).	11/6/18		
Momentum & Value 4th Quarter Edition WTMF (Wisdom Tree Managed Futures ETF) MLPA (Global X MLP ETF) DCP (DCP Midstream LP) SHLX (Shell Mid- stream Partners LP)	In our Q4 installment of our Momentum and Value series we focused on strategies for the volatile and difficult market. Our momentum strategies were focused on noncorrelated ETFs to provide diversification. Our value strategy focused on the MLP space, which had compelling yields in an environment where the oil price should stabilize.	12/4/18	WTMF: 0.86% MLPA: 15.92% DCP: 59.92% SHLX: 23.92% (Closed)	SPY: 56.65% AMLP: 12.08%

Fund/Stock	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue Date
Growth into Value Rotation RPV (Invesco S&P 500 Pure Value ETF) DVP (Deep Value ETF)	Recognizing the switch in outperformance from value to growth in 2014 was one of the easiest ways to help clients outperform. Now, there are signs markets might be switching back, to an era where value outperforms growth. The ETFs included in this report serve as a "one stop shop" to add quality value exposure to client portfolios.	12/18/18	RPV: 51.72%	VTV: 59.32%
Contrarian Ideas to Start 2019 IEMG/EEMV (Emerging Market ETFs) ITB/VNQ (Homebuilders/Real Estate ETFs) DFE (WisdomTree Europe SmallCap Dividend Fund)	The start of a new year means new money needs to be put to work, so we wanted to provide some unique and interesting contrarian ideas that can outperform in 2019.	1/2/19	IEMG/EEMV: 10.78%/4.22% ITB/VNQ: 106.0%/33.43% DFE: 20.03%	SPY: 68.28%
Identifying High Quality Stocks COWZ (Pacer U.S. Cash Cows 100 ETF)	Free Cash Flow Yield (FCFY) and Return On Equity (ROE) are two factors that produce long term outperformance. We complied a list of nearly two dozen large cap stocks that have a FCFY over 8%, along with another list of the top 10% companies with highest Return on Equity. We think the stocks on these lists present opportunities to buy quality names on market dips. We also identified an ETF that screens based on FCFY, and it provides outperformance with lower drawdowns.	1/15/19	COWZ: 86.14%	SPY: 61.72%
Preferred Stock ETFs PGF (Invesco Financial Preferred ETF) VRP (Invesco Variable Rate Preferred ETF) PFXF (VanEck Vectors Preferred Securities ex Financials ETF)	Preferred stocks have massively outperformed the S&P 500 during the October—December correction and barely lagged bonds. With yields of 5% and higher we think preferred stock ETFs present a unique long term opportunity to generate income and reduce volatility in portfolios, while keeping upside exposure.	1/29/19	PGF: 0.76% VRP: 12.33% PFXF: 13.09%	PFF: 6.49%
Utilities For Income VPU (Vanguard Utilities ETF) NRG (NRG Energy) CNP (CenterPoint Energy)	We continued our focus on safety and income as we show why "boring" utilities can offer substantial outperformance in a volatile market. Utilities outperformed during the Oct-Dec correction, and owning utilities hasn't meant giving up long term performance as XLU has the same five year total return as the S&P 500. If you think the markets will stay volatile, utilities are a good place for capital to weather the storm and keep upside exposure.	2/12/19	VPU: 40.89% NRG: -15.33% CNP: 12.52%	XLU: 44.74%

Fund/Stock	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue Date
Cybersecurity: Threats & Opportunities HACK (ETFMG Primce Cyber Security ETF) CIBR (First Trust NASDAQ Cybersecurity ETF) FTNT (Fortinet) CYBR (CyberArk)	Cyber security and privacy on-line are two clearly defined growth areas of tech, as tech adoption progresses towards consumer demanding security and convenience.	2/26/2019	HACK: 18.73% CIBR: 48.23% FTNT: 205.80% CYBR: 27.80%	QQQ: 66.85%
Cannabis Industry Investment. MJ (ETFMG Alternative Harvest ETF) ACB (Aurora Cannabis) CGC (Canopy Growth Corporation) APHA (Aphria)	Through March of 2019, the cannabis sector was the best performing sector in the market, as that performance reflected the growing adoption of medical cannabis, as well as the unrivaled growth potential. Investors and clients are asking about this industry, so we wanted to present a "Cannabis Primer" along with three different investment strategies to get responsible exposure to this market segment.	3/12/19	MJ: -84.04% ACB: -98.82% CGC: -93.67%	SPY: 50.53%
Socially Responsible Investing ESGV (Vanguard ESG US Stock ETF)	Studies and AUM trends have shown that while clients still care about the bottom line (returns) there is growing popularity among investors to not only generate a solid return, but also for their investments to reflect their core beliefs and values. So, we've updated our research to focus on a few core ESG areas that have seen AUM explode over the past two years. These stylistic ETFs can not only outperform, but also help strengthen the client/advisor bond, via directing some investments to issues important to your client.	3/26/19	ESGV: 47.07%	SPY: 49.23%
Hedged Equity ETFs DMRL (DeltaShares S&P 500 Managed Risk ETF) CCOR (Cambria Core Equity ETF) JHEQX (JP Morgan Hedged Equity Fund Class)	Stocks have started 2019 with a bang, rising sharply in Q1. But, major macro risks remain present and there is undeniable proof the economy is late cycle. Hedged equity ETFs can help advisors and investors maintain long exposure while also providing protection from another 2018 style correction.	4/9/19	DMRL: 37.20% (Closed) CCOR: 24.34% JHEQX: 27.14%	SPY: 45.95%

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<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue Date
ARK Invest Family of ETFs ARKW (ARK Next Generation Internet ETF) ARKG (ARK Genomic Revolution ETF) XITK (SPDR Fact Set Innovative Tech ETF)	We are re-introducing the ARK Family of ETFs. Alpha recommendation ARKK is up 26% YTD and it's outperformed the S&P 500 since our recommendation. ARK ETFs offer "one-stop shopping" exposure to the disruptive technologies of tomorrow—technologies that can not only produce outsized long-term returns, but that also are compelling stories for clients and prospects.	4/23/19	ARKW: -17.64% ARKG: -3.27% XITK: -4.86%	QQQ: 51.88%
The Alpha Opportunity in Healthcare IHI (iShares Medical Device ETF) XBI/SBIO/ARKG (The Quality Bio-tech ETFs) IHF (iShares U.S. Healthcare Providers ETF)	The healthcare sector has badly lagged the S&P 500 thanks to political concerns (Medicare for all). But, future political risks aside, fundamentals for the healthcare industry are compelling. We covered this broadly in the Sevens Report two weeks ago, but in today's Alpha issue we wanted to do a "deep dive" into the space and provide a broader healthcare sector primer, as opportunities to invest in healthcare at the relative value to the market don't come along very often.	5/7/19	IHI: 44.95% XBI: -3.86% IHF: 71.28%	XLV: 66.28%
Minimum Volatility ETFS USMV (iShares Total Return MSCI USA Minimum Volatility ETF) SPLV (S&P 500 Low Volatility Index ETF) EEMV (iShares MSCI Minimum Volatility Emerging Markets ETF) EFAV (iShares Edge MSCI Minimum Volatility EAFE ETF)	Minimum volatility ETFs have proven effective alternatives for core market holdings over both the short and long term, and will help ensure investors don't give back YTD gains in the event of a correction while still maintaining upside exposure.	5/21/19	USMV: 31.52% SPLV: 29.68% EEMV: 2.80% EFAV: -1.56%	SPY: 46.30%
Ageing of America Primer WELL (Welltower Inc) OHI (Omega Healthcare Investors) SCI (Service Corp International)	There is a coming massive demographic shift in the U.S. as within the next 20 years one in every five Americans will reach retirement age, and that aging of Americans will have profound impacts on different market sectors.	6/4/19	WELL: -7.23% OHI: 9.60% SCI: 63.83%	SPY: 49.30%

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<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	<u>Total Return</u>	Benchmark Perfor- mance Since Issue Date
Rate Cut Playbook We wanted to provide both an asset class and stock market sector "playbook" so advisors will know what outperformed, and what underperformed during the last two rate cut cycles. The important part of our research is that we let the numbers, not our assumptions, do the talking and the results were surprising!	major S&P 500 sectors over the last two rate cut cycles. (Returns 12 months following the first cut, and Returns from the first cut to the last cut).	6/18/19		
How to Responsibly Allocate to Gold GLD (SPDR Gold Trust) SGOL (Aberdeen Standard Physical Gold ETF) GDX (VanEck Vectors Gold Miners ETF) KL (Kirkland Lake) FNV (Franco Nevada Corp)	Gold was one of the top performers in our "Rate Cut Playbook" and it recently just hit a six year high. So, in this issue, we wanted to focus on how advisors can responsibly allocate to gold, because again If this trend continues, gold will continue to outperform the S&P 500, and undoubtedly you will field questions from clients about owning gold. Beyond servicing clients, from an alpha standpoint, gold trends incredibly well, and if we are at the start of a multi-year uptrend, the returns can be substantial (gold returned more than 800% from 2001-2011 and outperformed stocks during the last two rate cutting cycles).	7/2/19	GLD: 24.18% SGOL: 25.17% GDX: 12.25% KL: -1.42% FNV: 65.72%	
Momentum Factor Investing MTUM (IShares Edge MSCI USA Momen- tum Factor ETF) SPMO (Invesco S&P 500 Momentum ETF) FDMO (Fidelity Mo- mentum Factor ETF)	Factor investing has proven to be an effective strategy for medium and long term investors. One of the strategic factors that consistently rises to the upper half of the performance matrix is "momentum" as a driver of outsized returns. Momentum factor ETFs have provided positive excess returns in seven of the last 11 years.	7/16/19	MTUM 21.00% SPMO: 37.07% FDMO: 21.71%	SPY: 31.99%

Fund/Stock	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue <u>Date</u>
Profit from the Sharing Economy MILN (The Global X Funds/Millennials Thematic ETF) GIGE (The SoFi Gig Economy ETF)	Inspiration for the issue came from this comment, which I believe is a profound statement on the next evolution of the economy. "Uber, the world's largest taxi company, owns no vehicles. Facebook, the world's most popular media owner, creates no content. Alibaba, the most valuable retailer, has no inventory. And Airbnb, the world's largest accommodation provider, owns no real estate. Something interesting is happening." Tim Goodwin The Batter Is For The Consumer Interface. Each of those companies are part of the new "sharing economy." In addition to profiling two ETFs, we also created our own "Watch List" of sharing economy companies that describes 1) What they do and 2) How they make money, so you have a clear view of the entire "Sharing Economy" universe.	7/30/19	MILN: 4.43% GIGE: -11.99% (closed)	SPY: 31.70%
The Case for REITS VNQ (Vanguard Real Estate ETF) VNQI (Vanguard Global ex-U.S. Real Estate ETF) REZ (iShares Residential Real Estate ETF) REM (Ishares Mortgage Real Estate ETF)	Over the past month, only one sector SPDR had a positive return, and it was Real Estate (XLRE) as it rose 1.75%. And, that underscores what has been a great year for the sector, as XLRE has gained more than 22% YTD and only trails tech (XLK) on a YTD performance basis. This strong performance shouldn't come as a surprise. The current environment is very positive for REITs, given we're likely looking at 1) More Fed rate cuts and 2) A potentially slowing economy. More directly, with greater than 3% yields, positive correlation to rising inflation, and a very solid historical track record through growth slowdowns (with one glaring exception), REITs remain an attractive destination for capital in the current environment.	8/16/19	VNQ: -5.92% VNQI: -26.93% REZ: -8.67% REM: -40.99%	SPY: 36.94%
Seizing Opportunity in the Defense Industry ITA (IShares U.S. Aerospace & Defense ETF) PPA (Invesco Aerospace & Defense ETF) UFO (The Procure Space ETF)	The defense sector has been one of the best performing market sectors for over a decade. Consider Over the past 10 years the defense stock sector has posted an 18.57% annualized return and a 446% cumulative return That compares to a 12.96% annualized return for the S&P 500 and a cumulative return of 238%. That's significant outperformance that should impress any client. But, right now, we think there's even more opportunity in this sector due to the presence of a potentially major growth catalyst—the space industry.	8/27/19	ITA: 2.88% PPA: 18.35% UFO: -20.11%	SPY: 37.91%

<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue <u>Date</u>
Japanization Playbook PTCIX (PIMCO Long Term Credit Bond Fund) VYM (Vanguard High Dividend Yield ETF) PDI (PIMCO Dynamic Income Fund)	Given the slowing of the global economy, we are now at a fork in the road, where global economic stimulus will either work, like it did in 2016 and spur a big rally, or it will not, like what happened in Japan in the 1990s. We spent an entire <i>Alpha</i> issue detailing a what will outperform and underperform in that scenario, so that if it happens, we know what to do.	9/10/19	PTCIX: -11.38% VYM: 37.78% PDI: -11.49%	SPY: 39.98%
Reflation Playbook Reflation Strategy 1: A better tech ETF. Reflation Strategy 2: Momentum Factor. Reflation Strategy 3: The Consumer. Reflation Strategy 4: Emerging Markets. Reflation Strategy 5: Floating Rate Funds.	This issue is the final piece of our four-part series on the longer-term outcome for this market: Japanization or Reflation? Reflation issue goes deeper into the sectors and assets that will outperform if we get another successfully engineered economic reflation – driven in part by a weaker dollar – like we did in 2016-2018.	9/24/19	Various ETFs listed in the Issue	
Investing in Green Energy TAN (Invesco Solar ETF) FAN (First Trust Global Wind Energy ETF) ICLN (IShares Global Clean Energy ETF) PBW (Invesco Wilderhill Clean Energy ETF)	Advisors today need to know funds and ETFs that can help clients invest for a greener future, as doing so will align client investments with their interests and build more trust between the advisor and client. In this Alpha issue, we cover some of the best ETFs for direct alternative energy exposure, and the results may surprise you as some of the best alternative energy ETFs share a lot of characteristics with tech ETFs and multinational industrial ETFs.	10/8/19	TAN: 170.30% FAN: 42.48% ICLN: 95.04% PBW: 59.09%	SPY: 43.94%
Investing in the Water Industry PHO (Invesco Water Resources ETF) FIW (First Trust Water ETF) TBLU (Tortoise Global Water ESG Fund)	We are continuing the theme from the last issue of 1) Making money (generating alpha) and 2) Doing good (appealing to clients focused on the environment), and we're doing it by taking a deep dive into the water industry. The water industry remains a quasi-niche, but it shouldn't, as water industry investment can: Generate alpha as major water industry ETFs have outperformed the S&P 500 over the past several years and It can strengthen client relationships as water investment is closely tied to ESG investing, and water demand is a concept that clients can easily relate to.	10/22/19	PHO: 45.02% FIW: 45.88%	SPY: 39.15%

<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	<u>Total Return</u>	Benchmark Perfor- mance Since Issue Date
Outperforming in A Declining Dollar Environment VGT (Vanguard Information Technology ETF) IHI (IShares U.S. Medical Devices ETF) EMLC (VanEck Vectors J.P. Morgan EM Local Currency Bond ETF) PDBC (Invesco Optimum Yield Diversified Commodity Strategy No K-1 ETF)	If there's going to be a global reflation, then it will likely come with a weaker U.S. Dollar. From early 2017 through early 2018 the dollar declined from over 100 to below 90 (so more than 10%) and that had a significant impact on stocks: The 2017 decline in the dollar resulted in a 31% gain for the S&P 500 from December 2016 through January 2018. But, the dollar decline also created opportunities for specific sectors and assets classes to handily outperform the S&P 500, and we want to identify those opportunities in three strategies: Targeted sector exposure via a focus on U.S. Exporters International ETF Exposure Commodities Allocations.	11/5/19	Various ETFs Listed in the Issue	
Closed End Funds ETG (EV Tax Adv. Global Dividend Inc) HTD (JH Tax. Advantaged Dividend Inc) PDI (PIMCO Dynamic Income) NZF (Nuveen Municipal Credit Income) FFC (Flaherty & Crumrine Preferred & Income Sec.) RQI (Cohen & Steers Quality Income)	Closed End Funds (CEFs) are under-utilized compared to ETFs (we explain why in the issue) but CEFs have advantages over ETFs both on a yield and tactical basis – and we think that CEFs can be an effective tool, when integrated into a broader portfolio strategy, that can boost yield and create opportunities to generate alpha.	12/3/19	ETG: 13.98% HTD: 5.06% PDI: -16.19% NZF: -13.58% FFC: -12.82% RQI: 4.68%	SPY: 34.12%
Cash Management FPNIX (FPA New Income Fund) MINT (PIMCO Enhanced Maturity Active ETF) BBBIX (BBH Limited Duration I)	In this issue, we identify three funds that provide market-beating returns on cash with very low duration and good liquidity, and we rank them depending on preference: More aggressive (and higher yield), Conservative, and "In Between."	12/17/19	BBBIX: 3.20%	BIL: 1.55%

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Fund/Stock	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Performance Since Issue Date
Contrarian Ideas 2020 MJ (ETFMG Alternative Harvest ETF) XOP (SPDR S&P Oil & Gas Exploration and Production ETF) LQDH (iShares Interest Rate Hedged Corporate Bond ETF)	Contrarian Idea: Cannabis Sector. Cannabis stocks got crushed in 2019, but underlying demand for medical cannabis, along with public acceptance of the idea, continued to grow. Contrarian Idea: Energy. The energy sector lagged in 2019, but if there is a rebound in growth, combined with a protracted dollar decline, energy could handily outperform in 2020. Contrarian Idea: Rising Rates. Bonds surged in 2019 and the broad consensus is for perma-low rates. But the Fed is now targeting higher inflation, and if growth rebounds, rates could easily move higher.	12/31/19	MJ: -67.25% XOP: 51.23% LQDH: 2.63%	SPY: 28.20%
International Expo- sure IQLT - iShares Edge MSCI International Quality Factor ETF. VIGI - Vanguard In- ternational Dividend Appreciation ETF GSIE - Goldman Sachs ActiveBeta International Equity ETF	We all know that proper diversification is essential to both risk management and long-term outperformance, and while the outlook for the U.S. markets remains strong, proper diversification must be maintained for investors with long-term time horizons. So, we've done a deep dive into the very overpopulated world of international ETFs and selected the few ETFs that we believe offer a superior combination of 1) Exposure to quality international companies, 2) Focus on developed economies (so this isn't about emerging markets) and 3) Are trading at an attractive valuation.	1/14/2020	IQLT: 8.50% VIGI: 7.20% GSIE: 2.86%	ACWX: -0.31%
Opportunities in Small Caps IJR: iShares Core S&P Small-Cap ETF VBK: Vanguard Small-Cap Growth ETF XSLV: Invesco S&P SmallCap Low Volatility ETF	While that's been a good thing for the last several years for many investors, the reality is that now they are also not as diversified as	1/28/2020	IJR: 22.83% VBK: 3.80% XSLV: -3.10%	IWM: 12.98%
Finding Actionable Opportunities in the Biotech Sector IBB (iShares Biotech- nology ETF) SBIO (ALPS Medical Breakthroughs ETF) XBI (SPDR S&P Bio- tech ETF)	What outperforms during a global health emergency like the Wuhan virus? Historically, the biotech sector does, which rose 40% compared to 25% for the SPY following SARS in the early 2000s. But, investing in biotech is tough for an advisor. So, our goal for this Alpha issue was clear: Find the best biotech ETFs that today's advisors can actually allocate to.	2/11/2020	IBB: 8.45% SBIO: -30.77% XBI: -16.09%	SPY: 17.93%

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<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Return	mance Since Issue Date
Hedged Equity ETFs DMRL: Del- taShares S&P 500 Managed Risk ETF. CCOR: Cambria Core Equity ETF. JHEQX: JPMorgan Hedged Equity Fund Class I.	We want to highlight hedged ETF strategies that can help advisors protect gains if we are at the start of a 2018 style correction, or worse, our first bear market in over a decade, while at the same time maintaining long exposure if/when the correction ends. Hedged ETFs outperformed the S&P 500 in 2018, and if this current correction turns into a lengthy pullback,	3/10/2020	DMRL: 28.99% (Closed) CCOR: 13.73% JHEQX: 20.57%	SPY: 37.25%
Sector Opportunities from the Coronavirus Decline Tech Sector (Three ETFs) Financials (Three ETFs) Energy (Three ETFs)	cials and Energy, and we provided three ETF options in	3/24/2020	Multiple ETFs selected for each sector depending on risk toler- ance.	
Longer Term Industry Opportunities from the Coronavirus Health & Wellness (Three ETFs) Mobility As A Service (IBUY: Amplify Online Retail ETF) Cord Cutting (JHCS: John Hancock Multifactor Media and Communications ETF). Stay At Home (XITK: SPDR FactSet Innovative Technology ETF)		4/7/2020	PTH: 43.97% IBUY: -3.70% JHCS: 6.31% (Closed) XITK: 4.37%	SPY: 49.23%
Three Industries That Will Benefit from Changes in Corporate Behavior Cloud Computing (SKYY: First Trust Cloud Computing ETF) E-Commerce (SHOP: Shopify & GDDY (GoDaddy) Online Payment Processing (IPAY: ETFMG Prime Mobile Payments ETF)	installment of the series. Part One focused on broad sectors. Part Two identified larger industries that should benefit over the longer term from changes in consumer behavior from the coronavirus experience. Now, Part Three will go even deeper and rely on our own anecdotal experiences to identify sub-indices that should	4/21/2020	SKYY: 4.60% SHOP: -34.22% GDDY: 17.19% IPAY: 4.34%	SPY: 44.89%

Fund/Stock	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue Date	
Three Strategies for a "U" Shaped Recovery Preferreds: PGF (Invesco Financial Preferred ETF)	Markets are pricing in a pretty high chance of a "V-shaped" economic recovery, but we think it's prudent to have a playbook for a less optimistic, "U-shaped" economic recovery that has the U.S. economy mired in slow growth for some time.		PGF: -16.88% DG: 38.96%		
Dollar Stores/Fast Food: DG: (Dollar General), DLTR: (Dollar Tree), MCD: McDonalds Consumer Staples: RHS (Invesco S&P 500 Equal Weight Consumer Staples ETF).	So, in this issue, we wanted to identify proven sectors and stocks that are likely to thrive if the economic recovery is more restrained, i.e. U-shaped. The following research achieves that goal by identifying areas that have proven resilient under previous recessions and periods of slow growth, and are likely to continue to thrive in that environment.	5/5/2020	5/5/2020	DLTR: 86.86% MCD: 53.84% RHS: 32.58%	SPY: 38.46%
Finding the Sweet Spot of Yield, Dura- tion and Quality in Today's Bond Mar- ket JPST (J.P. Morgan Ultra-Short Income ETF) FTSD (Franklin Liber- ty Short Duration U.S. Government ETF) IGSB (iShares Short- Term Corporate Bond ETF)	Global bond yields have collapsed since the coronavirus crisis began in earnest in mid-February, and that leaves advisors with a difficult situation of where to find adequate yield without taking on too much duration risk. Case in point, the 10-year yield is yielding about 0.70%. A .70% annual coupon for locking up money for 10 years! Absolute yield levels are obviously historically low, but we've still got to do the best we can in this environment, and that means finding the best yield possible while limiting duration risk and credit quality risk.	5/19/2020	JPST: -0.41% FTSD: -6.36% IGSB: -7.32%	SHY: -6.23%	
Finding Sustainable Dividends In An Uncertain Environment NOBL (ProShares S&P 500 Dividend Aristocrats ETF), DGRO (iShares Core Dividend Growth ETF). TDIV (First Trust NASDAQ Technology Dividend ETF).	This issue is all about finding sustainable dividends that income investors can count on in all market conditions, because the simple reality is that most bond yields just aren't high enough to generate the required income for clients. That means identifying companies that have sound balance sheets, track records of methodical dividend growth, and business models that are likely to survive even the worst pandemic scenarios.	6/2/2020	NOBL: 36.76% DGRO: 34.16% TDIV: 22.67%	SPY: 28.58%	

Fund/Stock	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue Date
Three Strategies to Gain Exposure to 5G Strategy 1: The Chipmakers. QCOM (Qualcomm), MRVL (Marvel Technologies). Strategy 2: Radio Frequency Providers. QRVO (Qorvo). Strategy 3: The 5G ETF. FIVG (Defiance Next Gen Connectivity ETF).	The focus of today's issue came from a subscriber request: 5G . 5G is one of the biggest secular growth trends in the market, and by that, I mean trends that will continue in a positive direction regardless of what happens in the economy in the near term. Additionally, 5G is one of the most popular investing topics among regular investors, so we thought now would be a good time to do a "deep dive" in 5G and detail:	6/30/2020	QCOM: 37.68% MRVL: 22.73% QRVO: -11.54% FIVG: 18.20%	SPY: 32.52%
Finding Value in European Equities VGK (Vanguard Europe ETF). FEZ (SPDR Euro STOXX 50 ETF)	Coronavirus has finally <u>caused the Europeans to aggressively stimulate the economies</u> , and as long as that continues, that should provide a needed spark to help European equities outperform. Because of that positive change, we think European ETFs offer more attractive risk/reward than U.S. sectors that are considered "values," specifically financials, energy, and industrials. That's especially true given U.S. value styles have underperformed growth by as much as 66% over the past five years! We think a better choice is to look to Europe to fulfill the value component of a portfolio.	7/14/2020	VGK: 16.12% FEZ: 14.06%	VTV: 47.87%
Actionable Strate- gies to Own COVID 19 Vaccine Produc- ers PPH: The VanEck Pharmaceutical ETF. GERM: The ETFMG Treatments Testing and Advancements ETF.	In today's Alpha issue, we are going to go in-depth on actionable investment strategies to gain exposure to the companies that are leading the COVID-19 vaccine race. Specifically, in today's issue we take the broad research we covered in Thursday's webinar, enhance it, and get much more tactical (looking at investment strategies to get exposure to vaccine players). Specifically, we cover two actionable strategies that we think are appropriate for advisors and their clients: Strategy 1: Owning the Pharma Companies Leading the Vaccine Race. Strategy 2: Diversified Exposure via ETFs.	7/28/2020	PPH: 27.71% GERM: -26.99%	SPY: 27.31%

<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue Date
What Outperforms in a Declining Dollar Environment Falling Dollar Strategy 1: International Stocks. XSOE (WisdomTree Emerging Markets ex-State-Owned Enterprises Fund). Falling Dollar Strategy 2: Currencies. FXE. (CurrencyShares Euro Trust). Falling Dollar Strategy 3: Gold Miners. GDX (VanEck Vectors Gold Miners ETF).	A sustained period of dollar weakness doesn't come along often (it last occurred in 2017) but when it does, it can create substantial outperformance in certain sectors and indices. We want to make sure you have a comprehensive "falling dollar" playbook for both general and tactical asset allocations, because the fundamentals for a sustained period of dollar weakness are as strong as they've been in years (surging U.S. debt/deficits and rebounding growth overseas).	8/11/2020	XSOE: -14.47% FXE: -12.24% GDX: -24.78%	SPY: 22.91%
Ideas for When There's a COVID Vaccine Annouce- ment JETS (U.S. Global JETS ETF) PEJ (Invesco Dynamic Lei- sure and Entertainment ETF) KBE (SPDR S&P Bank ETF) REZ (iShares Residential REITS ETF)	I believe today's issue demonstrates why Alpha is the perfect complement to the daily Sevens Report, because early last week in the regular Sevens Report, we discussed broad sectors that would benefit and outperform if there is a positive announcement on a COVID-19 vaccine. But, in today's Alpha issue, we follow up on that research and go much more in-depth to identify specific ETFs and stocks that: Are outsized beneficiaries of a "return to normal" that likely will follow a successful vaccine That are trading at historic discounts due to COVID 19 fallout and Were good businesses before COVID 19, and likely will again be good businesses after the vaccine.	8/25/2020	JETS: 5.65% PEJ: 18.68% KBE: 51.94% REZ: 21.06%	SPY: 18.85%
Opportunities in the Electric Vehicle Battery Industry ALB (Albemarle) SQM (Sociedad Quimica y Minera De Chile S.A. ADR) LIT (Global X Lithium & Battery Tech ETF)	So, given this event, the anticipated media coverage of it, and the recent focus on TSLA, Nikola (the EV truck company), and other EV companies, we wanted to revisit the EV space and specifically the battery market, because it is undeniable the growth potential here is still very, very substantial. We explored the EV market three years ago when we first launched Alpha but much has changed in the industry since then, and with Battery Day looming, we wanted to revisit the industry, again with a specific focus on battery technology and the companies and ETFs associated with battery advancement – because battery capacity remains the key to the growth of the EV market.	9/9/2020	ALB: 175.70% SQM: 223.70% LIT: 77.74%	SPY: 20.31%

<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue Date
Election Preview Trump Wins Biden Wins	We had long planned to release our Alpha Election Preview issue this week, as we knew that with the first debate a week away, investors focus would turn to- wards politics and we wanted to ensure you had a post-election roadmap, along with specific ETF ideas, for any election-related discussions with clients. But, that interest in the election will now be turbo-	9/22/2020	N/A	N/A
No Clear Winner (Multiple ETFs Listed)	charged with the surprise passing of Supreme Court Justice Ruth Bader Ginsberg. So, with six weeks to go until the election, we wanted to explore the three possible scenarios (Trump wins/ Biden wins/No one wins right away) and provide a tactical roadmap and identify ETFs that should outper-			
Finding Sustainable Growth in the Wellness Sector PTON (Peloton) LULU (Lululemon) BRBR (BellRing Brands) BFIT (Global X Health & Wellness Thematic ETF) MILN (Global X Millenials Thematic ETF)	Today's issue explores one of the sectors that we think will benefit from long-term changes in behavior from the pandemic: The wellness sector. Hopefully (and the data and history back this up) we are now closer to the end of the COVID-19 pandemic than we are the beginning, and once the pandemic ends, we believe life will return mostly to a precoronavirus normal. And we think that return to normal will disappoint very optimistic projections on some of the sectors that have outperformed due to COVID, like telemedicine, videoconferencing, widespread delivery, etc. But one sector we think can continue to see growth long after the world return to normal is the wellness sector, because this sector was experiencing substantial growth before the pandemic hit. And, the pan-	10/6/2020	PTON: -68.49% LULU: -19.32% BRBR: -12.79% BFIT: -24.29% MILN: -36.63%	SPY: -15.71%
SPACS PSTH (Pershing Square Tontine Holdings) CCIV (Churchill Capital IV) SPAQ (Spartain Energy Acquisition Corp) SPAK (Defiance NextGen SPAC ETF)	This issue was partially driven by client demand, as we've started to field an increasing number of questions about SPACs from friends and colleagues (who are all clients of advisors), and given that, we believe that soon you may be asked by your clients about how to invest in a SPACs.	11/3/2020	N/A	N/A

<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Performance Since Issue Date
Cyclical Rotation to Value RSP (Invesco S&P 500 Equal Weight ETF) VTV (Vanguard Value ETF) RPV (Invesco S&P 500 Pure Value ETF)	We scoured the universe of value ETFs and mutual funds to identify those that we think are "best of breed" and represent a cost-effective, alpha generating solution for any advisors who wants to rotate to value after the election. And, we were surprised by our findings – namely that higher fee, actively managed ETFs and mutual funds lagged the more traditional, passive value ETFs – and that keeping it simple in the value space yielded the best returns over the past several years.	11/3/2020	RSP: 25.94% VTV: 33.44% RPV: 48.36%	SPY: 15.01%
Four Post Election Tactical Strategies Idea #1: Electric Vehicles & Clean Energy (LIT/ICLN/ESGV) Idea #2: Industrials & Infrastructure Spending (VIS/PAVE) Idea #3: Healthcare & Marijuana (VHT/MJ) Idea #4: Emerging Markets & China (XSOE)	What Specific Sectors and ETFs Can Outperform in a Biden Presidency/Divided U.S. Government? That question was the inspiration for today's Alpha issue, because while election results have not been certified yet (that will start to happen in states later this week) the likelihood is that we will have a Biden Presidency and divided government in 2021 (with Republicans holding a small majority in the Senate). Reflecting that fact, I've been asked multiple times over the past week what would outperform in this political environment, so I imagine this topic has been coming up in client conversations — and I want to make sure that you have the strategies and talking points you need to turn those conversations into opportunities to strengthen relationships.	11/17/2020	Eight Differ- ent ETFs Listed.	
Bitcoin GBTC (Greyscale Bitcoin Trust) BLOK (Amplify Transformational Data Sharing ETF) ARKW (ARK Next Generation ETF)	This Alpha issue is focused on a suddenly popular topic: Bitcoin. Our goal with this issue isn't to sway you one way or the other to invest in Bitcoin. Instead, we want to help you guide responsible conversations about: 1. What it is and 2. Who it's for, and 3. How you can potentially own it within a conventional portfolio. Put more frankly, many of us "know" about bitcoin – but are we prepared to really discuss the inner workings of the cryptocurrency and thoroughly list and explain the responsible ways clients can gain exposure to it? The point of this Alpha issue is to make sure we are all ready to do just that, so you can turn any bitcoin conversation into an opportunity to strengthen client relationships and grow your business.	12/1/2020	GBTC: -66.05% BLOK: -46.76% ARKW: -68.28%	SPY: 8.03%

Sevens Report Alpha Fund & Stock Ideas Strategy Date Total Return Market Marke

<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue Date
Four Strategies That Outperformed in 2020 and Can Do It Again in 2021 Long Term Pandemic Tech Opportunities (IBUY/XITK) New Wave of Online Payments/E-Commerce (IPAY) 5G Revolution (FIVG) EV Batteries (LIT)	2020 has created fantastic growth in certain sectors and industries, and stocks and ETFs linked to them have produced huge YTD returns. But, while looking back on what worked is helpful, especially at yearend, we wanted to identify those sectors that not only have outperformed, but that can continue to outperform in 2021. So, in this Alpha issue, we highlight four Alpha strategies that have massively outperformed, but that we believe have long-term staying power and can continue to outperform in 2021 and beyond.	12/15/2020	IBUY: -62.99% XITK: -50.44% IPAY: -37.15% FIVG: -5.36% LIT: 18.03%	SPY: 7.13%
Two Playbooks for 2021	As our focus now turns from 2020 and towards 2021, I believe we <u>always</u> must be prepared for two outcomes – the expected, and the unexpected. So, in this Alpha issue, we wanted to provide two ETF playbooks: The expected "Return to Normal" trade, and the Contrarian Scenario. Playbook 1. What's Expected: The "Return To Normal" Trade. The perfect storm being high economic confidence, vaccines rolling out to vulnerable groups, low-interest rates, and further government stimulus in the first quarter. That paints the perfect picture for capitalizing on beaten-down areas of the economy that are ripe for further expansion. Playbook 2: The Unexpected: A Contrarian Scenario. A scenario where things just don't work as planned. Perhaps inflation exceeds all norms, Treasury yields shoot up unexpectedly, geopolitical disruption intercedes, or the economic recovery just simply falls short of expectations.	12/29/2020	Multiple ETFs across both strategies	
Energy Transmission (The Picks and Shovels of the EV Gold Rush) First Trust NASDAQ Clean Edge Smart Grind Infrastructure Index Fund (GRID) NextEra Energy (NEE) EV Charging Basket: Tesla (TSLA), ABB Ltd (ABB), Eaton Corp (ETN), Blink Charging (BLNK)	Energy (and the transmission of energy) are the proverbial "picks and shovels" of this modern-day EV gold rush. Electricity demand is likely going to skyrocket for households that will be transitioning to electric and hybrid vehicles in the next decade. More advanced battery systems constantly needing to be plugged in and recharged are going to tax the current electric utility network capacity while growth in EV sales will also propel a nationwide surge in charging stations, similar to the rollout of gas stations in the early 20th century.	1/12/2021	GRID: 7.37% NEE: 10.32%	SPY: 6.45%

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Fund/Stock	<u>Strategy</u>	<u>Date</u>	<u>Total Return</u>	Benchmark Perfor- mance Since Issue Date
How the "Old Economy" Can Help Us Outperform Invescro Dow Jones Industrial Average Dividend ETF (DJD) First Trust Morningstar Dividend Leaders Index Fund (FDL) Invesco S&P 500 Pure Value ETF (RPV)	Looking for value in "Old Economy" stocks is a strategy that prioritizes stocks that are still well off their alltime highs, have proven and sustainable business models, and many of which pay hefty dividends. Additionally, these industries are as familiar and comfortable as a warm blanket to your mature, high net worth client base and these investment ideas are perfect for the tech skeptics that prioritize value characteristics, low leverage, and high dividends.	1/26/2021	DJD: 19.41% FDL: 29.39% RPV: 26.32%	SPY: 5.05%
Market Myth Busting	 Investment Myth 1: Investing and Politics Go Hand in Hand. Investment Myth 2: Modern Monetary Theory Is A Reason to Get Out Now. Investment Myth 3: Getting Out Because the Market is in a Bubble. Investment Myth 4: Rising Rates Are Going to Wreck My Portfolio. Investment Myth 5: The Falling U.S. Dollar Is Eroding My Purchasing Power. 	2/9/2021		
Inflation Playbook Core Inflation Plays (SGOL/PDBC/GNR/RLY) U.S. Sector Opportunities (RTM/RGI) Income Opportunities (BKLN/JAAA/STIP)	Today's issue is focused on inflation because suddenly accelerating inflation could be a game-changer for many investors and advisors, and we want to arm you with the best-in-class tools to combat inflationary effects in your portfolios. Point being, higher inflation is almost certainly coming in the future, and I wanted to take this Alpha issue to provide a clear, decisive "Inflation Playbook" that we can keep and reference for when statistical inflation starts to accelerate.	2/23/2021	PDBC: 42.22% GNR: 22.11% RTM: 14.47% JAAA: 0.89%	SPY: 4.72%
ARK Invest ETFs ARKK (ARK Innovation ETF) ARKG (ARK Genomic Revolution ETF) ARKW (ARK Next Generation Internet) ARKF (ARK Fintech Innovation ETF) ARKQ (ARK Autonomous Technology & Robotics ETF).	I wanted this Alpha issue to provide an updated "deep dive' into the ARK Invest ETF offerings, because even considering their huge returns over the past few years, I still believe now what I believed when we first recommended them: That these ETFs are "one-stop shopping" for investors get targeted exposure to the leading edge of the technology growth curve, and that investors should have exposure to the technologies in which ARK ETFs invest because the long term return potential is extreme.	3/9/2021	ARKK: -70.97% ARKG: -64.95% ARKW: -70.86% ARKF: -70.39% ARKQ: -45.83%	QQQ: -8.49%

<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue Date
What Should I Buy on This Tech Decline? Invesco S&P 500 Equal Weight Technology ETF (RYT). VanEck Vectors Semiconductor ETF (SMH). First Trust NASDAQ Technology Dividend Index Fund (TDIV).	If a client comes to you and asks, "What Should I Buy on this Tech Decline?" we want to make sure you have a set of ETFs that provide exposure to solid, proven tech companies that aren't trading at skyhigh valuations because for the last several decades buying core, large cap tech stocks on any sustained underperformance has been a very profitable long-term strategy.	3/23/2021	RYT: -0.96% SMH: -4.46% TDIV: -2.54%	SPY: 3.91%
Sector Winners and Losers from the Democratic Policy Agenda Global X Millennials Thematic ETF (MILN) Vanguard Tax-Exempt Bond ETF (VTEB) Global X U.S. Infrastructure Development ETF (PAVE) First Trust NASDAQ Clean Edge Green Energy Index Fund (QCLN)	Throughout most of the first quarter, markets embraced Democrat control of the government because it meant massive stimulus, and that expectation has been met. However, now the focus is turning to less growth-friendly policies, including potentially higher taxes and increased regulation. While these policies will impact the markets broadly, they'll also impact specific sectors even more than the broad markets. So, we want to arm you with the tools for identifying and deploying to areas of the market that should experience positive effects during this political environment, and know which sectors stand to get hurt given potential policies from Washington.	4/6/2021	MILN: -34.65% VTEB: -5.96% PAVE: 9.17% QCLN: -20.70%	SPY: -0.52%
Four Small Cap ETFs for the Economic Recovery Invesco S&P Small Cap Consumer Discretionary ETF (PSCD) First Trust Consumer Staples AlphaDex Fund (FXG) Invesco S&P SmallCap 600 Revenue ETF (RWJ) iShares Morningstar Small-Cap Value ETF (ISCV)	Much of the "economic reopening trade" has been focused on large travel and leisure companies, and many of those names have seen huge gains over the past year. But they are now saddled with massive debts and ballooning capital structures that could be headwinds on investor returns going forward. Many smaller stocks, however, were able to utilize government programs (PPP and others) to recapitalize healthily over the past year and those that have survived to this point are now in an extremely favorable position to capture future opportunities as the economy reopens. So, we want to make sure you know which ETFs can give you exposure to quality small-cap companies that are 1) Financially sound, 2) Exited the pandemic with their business intact, 3) Stand to benefit from an acceleration in the economy, and 4) Could see earnings surge as the economic reopening continues.	4/20/2021	PSCD: -24.50% FXG: 11.64% RWJ: 0.98% ISCV: -1.36%	IWM: -15.52%

<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Performance Since Issue Date
The Crypto Craze Updated Grayscale Bitcoin Trust (GBTC) Grayscale Ethereum Trust (ETHE) Coinbase Global (COIN) Voyager Digital (VYGVF)	If you are like me, you have seen interest in the entire crypto space increase over the past several months. So, we wanted to take this Alpha issue to provide an updated primer on the crypto industry and ensure you have got the advisor-focused research you need to turn any cryptorelated client or prospect conversations into opportunities to grow your business.	5/18/2021	GBTC: -76.61% ETHE: -81.42% COIN: -82.75% VYGVF: -98.53% (Closed)	SPY: -1.88%
Fixed Income Playbook in Today's Environment Strategy 1: Inflation Protection. Quadratic Interest Rate Volatility and Inflation Hedge ETF. (IVOL). Strategy 2: Variable Rate Preferreds (VRP). Strategy 3: Floating Rate Notes (Two ETFs). Strategy 4: Shorten Duration (Four ETFs).	How do clients, especially elderly clients, achieve safety and modest real returns in an environment where yields and inflation are rising and most real bond returns over the coming years will be negative? We want to tackle this problem and provide ETF solutions that can help clients achieve the dual goals of 1) Safety and 2) Real returns over the coming years. To do that, we've divided this Alpha issue into two parts. Part One (today's issue) is focused solely on solutions in the fixed income markets.	6/2/2021	IVOL: -19.58% VRP: -14.57%	SPY: -5.83%
Equity Playbook in Today's Environment Strategy 1: "One-Stop Shop" Inflation Hedge. Horizon Kinetics Inflation Beneficiaries ETF (INFL). Strategy 2: Focus on Dividend Growth. Proshares S&P 500 Dividend Aristocrats ETF (NOBL). iShares Core Dividend Growth ETF (DGRO). Strategy 3: Commodities and Natural Resources. Global X MLP ETF (MLPA). SPDR SSGA Multi-Asset Real Return ETF (RLY).	Today's Alpha issue is part two of our two-part series on how elderly clients can achieve safety and modest real returns in an environment where yields and inflation are rising and most real bond returns over the coming years will be negative. Today's issue provides ETF solutions for the equity portion of elderly clients' portfolios – ideas that are designed to provide income and ensure positive correlation to rising inflation	6/15/2021	INFL: 3.90% NOBL: 0.52% DGRO: 1.37% MLPA: -0.95% RLY: -3.12%	SPY: -6.79%
Cybersecurity ETFMG Prime Cyber Security ETF and the CIBR: First Trust NASDAQ Cybersecurity ETF (HACK) Global X Cybersecurity ETF (BUG) First Trust Cloud Computing ETF (SKYY)	This issue is focused on Cybersecurity. First, we want to give you an updated primer on the cybersecurity sector, and make sure you know the best ETFs to gain exposure to the likely explosive growth cyber security companies will experience over the coming quarters. Second, we wanted to identify strategies that you, the advisor, can use to minimize the chances your business is attacked and provide solutions if an attack does occur, so you know what to do, and what not to do.	6/29/2021	HACK: -25.26% CIBR: -14.88% BUG: -22.45% SKYY: -43.06%	SPY: -7.51%

<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue Date
Capitalizing on mRNA and Other Medical Tech ARK Genomic Revolution ETF (ARKG) Global X Telemedicine & Digital Health ETF (EDOC) ROBO Global Healthcare Technology & Innovation ETF (HTEC) Genomic Revolution Global X Genomics & Biotech ETF (GNOM)	Because of the success of mRNA in producing an effective COVID-19 vaccine at a record pace, along with the demonstrated effectiveness of anti-viral treatments like Remdesivir, we're likely to see a major acceleration in funding, research, and adoption of other cutting edge medical technologies and that means potentially substantial returns for companies with the right exposure.	7/13/2021	ARKG: -64.21% EDOC: -32.62% HTEC: -36.54% GNOM: -44.49%	SPY: -7.52%
Five ETFs That Can Make Your Life As An Advisor Easier Vanguard Total World Stock ETF (VT). iShares MSCI ACWI ETF (ACWI). iShares MSCI Global Min Vol Factor ETF (ACWV). iShares MSCI ACWI Low Carbon Target ETF (CRBN).	So how do you bridge the gap between an seven- figure trust and that clients nephew's tiny Roth IRA? Both are important to the overall relationship. You start by syncing up some of the foundational core holdings that make up the bulk of your asset alloca- tion. Specifically, we identify foundational "own every- thing" ETFs you can use across account sizes to simpli- fy smaller account administration and reduce variety among core ETF holdings, thereby making you more	7/27/2021	VT: -12.21% ACWI: -12.18% ACWV: -4.95% CRBN: -13.09%	SPY: -8.18%
Stagflation Playbook First Trust Dow Jones Internet Index Fund (FDN). Invesco S&P 500 Equal Weight Consumer Sta- ples ETF (RHS). VanECk Vectors Invest- ment Grade Floating Rate ETF (FLTR). Aberdeen Standard Bloomberg All Commodi- ties Strategy K-1 Free ETF (BCI).	This Alpha issue is focused on something we sincerely hope never happens: Stagflation. That's because a stagflationary environment is a very difficult one to successfully invest in as, broadly speaking, it's negative for most stocks, most bonds, and idle cash (purchasing power is eroded through inflation). Positively, stagflation is not the most likely macroeconomic scenario going forward (a stock positive reflation scenario is the most likely future macro setup). But, stagflation risks are still at multi-decade highs, so the risks can't be totally ignored, either.	8/24/2021	FDN: -47.38% RHS: 12.21% FLTR: -0.14% BCI: 20.29%	SPY: -9.93%
Learning to Live with COVID Vaccine Markers (Multiple Stocks & ETFs) Global X Telemedicine & Digital Health ETF (EDOC). Amplify Online Retail ETF (IBUY). VanEck Vectors Morning Star Durable Dividend ETF (DURA).	In this Alpha issue, we examine the strategies and sectors that will benefit from society learning to "live" with COVID over the medium and longer-term, and the inspiration for this issue came from real life. We believe that reality will cause more permanent adoption of some "temporary" pandemic era behaviors, and we believe that should lead to some attractive investment opportunities.	9/8/2021	MRNA: -58.06% BBH: -24.08% EDOC: -33.16% IBUY: -63.88% DURA: 4.84%	SPY: -11.17%

<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Performance Since Issue Date
Hydrogen—The Next Stage of the Green Energy Revolution Plug Power (PLUG) Cummings (CMI) Defiance Next Gen Hydrogen ETF (HDRO)	Hydrogen has long been touted as a source of cleaner fuel for transportation and commercial uses. But it has always seemed like the decades-long play that just needs a little more technology or a breakthrough process to truly realize its untapped potential. But, over the past several months I've been digging into this space, and it started to make more sense from an investment perspective. I quickly realized just how much opportunity is at stake and why this moment in time is pivotal to the hydrogen development cycle.	9/21/2021	PLUG: -47.24% CMI: 13.19% HDRO: -47.44%	SPY: -7.33%
Buying Opportunities in "New Tech" Idea 1: Winning Streaming Wars (ROKU/SPOT) Idea 2: Next Evolution in Genetics (NVTA/CRSP) Idea 3: Future of Money (Z/COIN) Idea 4: Work from Anywhere (ZM)	Tech companies in the fields of robotics, fintech, biotech, clean tech, electric vehicles, cryptocurrencies, etc. have seen steep declines from the highs this year. With some of these stocks down more than 55% from the highs, they are now trading at far more attractive valuations than they have in years (and this is even more true following the weakness in the tech sector over the past week!) As such, we wanted to produce an Alpha issue that identifies potential opportunities in this "New Tech" space, as given the declines and the growth potential of some of these firms, the risk is now worth the reward for longer-term focused investors:	10/05/2021	ROKU: -83.46% SPOT: -65.19% NVTA: -91.19% CRSP: -50.51% Z: -59.53% COIN: -82.93% ZM: -71.77%	SPY: -7.27%
Tapping the Wisdom of Financial Celebrity DoubleLine Total Return Fund (DBLTX) DoubleLine Shiller Enhanced CAPE (DSEEX) Guggenheim Total Return Bond Fund Institutional Class (GIBIX). Guggenheim Strategic Opportunities Fund (GOF) WisdomTree U.S. Quality Dividend Growth Fund (DGRW), WisdomTree Emerging Markets es State-Owned Enterprises Fund (XSOE). O'Shares U.S. Quality Dividend ETF (OUSA) O'Shares Global Internet Giants ETF (OGIG)	well-known "Market Mavens" that appear in the financial media so that you can turn any mention of these celebrities into an opportunity to impress clients with your knowledge, and possibly find an actionable investment idea. After a thorough search, we found four of these "Mavens" that had funds or ETFs that: 1, Could be attractive to clients and 2. Consistently beat the market. The four "Mavens" we profiled were: Jeffrey Gundlach (Doubleline Capital), Scott Minerd (Guggenheim Investments), Jeremy Siegel (WisdomTree), and Kevin O'Leary	10/19/2021	DBLTX: -11.09% DSEEX: -18.08% GIBIX: -13.54% GOF: -9.71% DGRW: 3.81% XSOE: -28.79% OUSA: 0.27% OGIG: -56.09%	SPY: -10.87%

<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Per- formance Since Issue Date
Capitalizing on A New Era of Energy Investment SPDR S&P Oil & Gas Exploration and Production ETF (XOP) Invesco S&P Small Cap Energy ETF (PSCE) First Trust Natural Gas ETF (FCG) Global X MLP ETF (MLPA)	Today's Alpha issue is essentially a "follow up" to our recent Alpha webinar, where we focused on the energy industry and explained, in part because of environmental concerns, that energy prices could be sustainably higher for the foreseeable future. So, in this issue, we profile several energy ETFs that we believe have the most targeted exposure and stand to outperform in this new era of energy, one where a lack of increased production should keep prices high, and where Natural Gas sees sustained increases in demand due to the desire to burn the most "clean" fossil fuel while the world moves further towards renewables.	11/2/2021	XOP: 26.40% PSCE: 19.32% MLPA: 18.78%	SPY: -13.10%
Metaverse Primer Meta Platforms Inc (FB) Roblox Corp (RBLX) NVIDIA Corp (NVDA) Amazon (AMZN) Microsoft (MSFT) Roundhill Ball Metaverse ETF (META)	Many analysts believe the "Metaverse" is the next evolution of the internet, and if that's true the long-term return potential is significant. So, we want to make sure you have the information you need to 1) Discuss the metaverse with any clients or prospects and 2) Identify the stocks and ETFs that stand to benefit from the continued growth of the Metaverse	11/16/2021	Meta: -66.89% RBLX: -71.76% NVDA: -43.08% AMZN: -49.70% MSFT: -25.42% METV: -54.29%	SPY: -14.40%
REITS As An Inflation Hedge Vanguard REIT ETF (VNQ) Pacer Benchmark Data and Infrastructure Real Estate SCTR ETF (SRVR) Pacer Benchmark Indus- trial Real Estate SCTR ETF (INDS) iShares Residential and Multisector Real Estate ETF (REZ)	According to a study we cited in today's issue, from 1972-2020, during periods considered moderate to high inflation, REITs actually outperformed the S&P 500! And, we're seeing that proved out so far this year, as VNQ, the largest and most diverse REIT ETF, is outperforming the S&P 500 (VNQ is up 26.6% YTD, while the S&P 500 is up 23% YTD). More specialized REITs have performed even better so far in 2021, and that's why, in addition to VNQ, in today's issue we focused on what we consider "REITs for the 21 st Century." Here's what I mean: Because of uncertainty regarding future mall traffic and office demand (due to the ongoing pandemic) we are focused today's Alpha issue on REITs that have exposure to infrastructure and technology including data centers, communication hubs, industrial warehouse distribution centers, and medical-related industries:	11/30/2021	VNQ: -17.02% SRVR: -24.86% INDS: -23.06% REZ: -19.03%	SPY: -11.86%

<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Performance Since Issue Date
Best Performing COVID Strategies Strategy One: Mega-Cap Tech. XLK/VGT/FDN. Strategy Two: Online Spending. SHOP/IBUY. Strategy Three: Block- chain. BLOK (Amplify Transformational Data Sharing ETF). Strategy Four: Smart- Beta Industrials. PAVE (Global X U.S. Infrastruc- ture Development ETF).	Today's issue focuses on strategies that have outperformed since the pandemic started in March of 2020 and should continue to outperform as the market realizes it's got to "live" with COVID. More specifically, the Omicron variant has again reminded people and markets that COVID is not going away and that we will have flare-ups from variants for the foreseeable future.	12/14/2021	XLK: -21.25% VGT: -23.37% FDN: -42.33% SHOP: -71.86% IBUY: -52.39% BLOK: -60.08% PAVE: -1.42%	SPY: -13.31%
Annual Contrarian Issue Contrarian Investment Idea 1: The China Growth Story Re- Emerges. KraneShares CSI China Internet ETF (KWEB) and Wis- domTree China ex-State- Owned Enterprises Fund (CXSE). Contrarian Investment Idea 2: Gold & Silver Miners Dig Up Profits. VanEck Vectors Gold Miners ETF (GDX) and Global X Silver Miners ETF (SIL). Contrarian Investment Idea 3: Investors Flock To Low Volatility Sectors. Utilities Select Sector SPDR (XLU) and Pow- erShares S&P 500 Low Volatility ETF (SPLV).	2021 and analyzed them to identify three sectors that we think could be poised for a big turnaround in 2022. We have produced this annual Contrarian Issue for the last several years to serve two primary functions. First, I'm a contrarian investor at heart, and I always enjoy scouring what "didn't" work during an investment year to determine whether these relatively cheap sectors or factors present an attractive opportunity, as contrarian investing can lead to outper-	12/28/2021	KWEB: -21.09% CXSE: -28.39% GDX: -7.74% SIL: -23.12% XLU: 1.40% SPLV: -4.86%	SPY: -17.03%
Practical Crypto Strate- gies for Clients Greyscale Bitcoin Trust (GBTC) Amplify Transformation- al Data Sharing ETF (BLOK) ProShares Bitcoin Strate- gy ETF (BITO)	The push of cryptos into the cultural mainstream in 2022, along with substantial investment gains over the past several years, has resulted in a surge in interest in crypto exposure from investors. And, while there remains a lot of risks associated with crypto trading, the bottom line is that an advisor can only dissuade a client from cryptos for so long before it hurts the relationship. Given that, our goal in today's Alpha issue is to highlight some of the best and most responsible strategies to provide clients with crypto exposure without taking an overabundance of risk.	1/11/2022	GBTC: -74.16% BLOK: -57.52% BITO: -60.57%	SPY: -15.80%

<u>Fund/Stock</u>	Strategy	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue Date
Weathering Market Volatility with "Quality" ETFs. Quality Idea 1: Financials. First Trust Financials. AlphaDex Fund (FXO). Quality Idea 2: Qualitative Value. ValueShares U.S. Quantitative Value ETF (QVAL). Quality Idea 3: Shareholder Yield. Cambria Shareholder Yield. Cambria Shareholder Yield ETF (SYLD). Quality Idea 4: Core Value. Invesco S&P 500 Pure Value ETF (RPV).	This Alpha issue is an important complement to what we've been discussing in the regular Sevens Report, namely that we believe the best way to weather this increased volatility in markets is by allocating to "Quality" stocks, sectors, and ETFs. For us, "quality" means those stocks and ETFs with lower relative price-to-earnings (P/E) and price-to-book (P/B) ratios, strong free cash flow, and solid shareholder yield. We believe these stocks and sectors will be the most insulated from the effects of interest rate hikes, possibly slowing growth and other headwinds, and find themselves as high-quality landing spots for investment capital.	1/25/2022	FXO: -5.28% QVAL: -4.33% SYLD: -1.26% RPV: 0.01%	SPY: -7.91%
Finding Value and Opportunity in International ETFs Schwab Fundamental International Large Company Index ETF (FNDF). iShares Edge MSCI Intl Quality Factor ETF (IQLT). Vanguard International High Dividend Yield ETF (VYMI).	We've been talking a lot in the Sevens Report about wanting to allocate towards lower P/E sectors, and the fact is that quality international stocks in developed markets are currently trading at heavy discounts to the S&P 500. We think the combination of low valuations and less-aggressive central banks makes international exposure an important part of a diversified investment strategy going forward.	2/8/2022	FNDF: -10.76% IQLT: -9.64% VYMI: -11.57%	SPY: -11.22%
What Would Outper- form If Markets Turn Around? SPDR FactSet Innovative Technology ETF (XITK) Vanguard Consumer Discretionary ETF (VCR) iShares Broad USD High Yield Corporate Bond ETF (USHY) SPDR Blackstone Senior Loan ETF (SRLN)	Today's issue was inspired by this thought: What if everything works out alright? Many analysts (including me) are concerned about numerous headwinds hitting the U.S. markets and a potentially volatile trading year. That opinion has been correct so far in 2022, and it's well-reasoned. But it's also a very popular view on the Street right now. So, in today's issue, we identify a playbook to outper-	2/23/2022	XITK: -29.65% VCR: -16.93% USHY: -9.89% SRLN: -8.70%	SPY: -5.97%

Fund/Stock	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Per- formance Since Issue Date
Bear Market Playbook (What Worked Last Time) MINT (PIMCO Enhanced Short Term Maturity Active ETF) SGOL (Aberdeen Physical Swiss Gold Shares ETF) VNQ (Vanguard REIT ETF) FXG (First Trust Consumer Staples AlphaDEX Fund)	In today's Alpha issue, we are going to examine what assets and sectors outperformed the last time we had a sustained, multi-year bear market (in the early 2000s). Now, to be clear, we do not think a bear market is the most likely outcome for this market. If we thought that, we'd be advocating for much more defensive positioning in the Sevens Report. But, at the same time, the current bull market is facing formidable headwinds, and the path for the Fed to successfully remove accommodation without harming the recovery is becoming increasingly narrower. Given that reality, we think it's prudent to review the strategies that worked the last time we had a sustained, multi-year bear market so that we all have a playbook of how to protect client assets, should this unwanted outcome occur.	3/8/2022	MINT: -2.12% SGOL: -13.31% VNQ: -16.60% FXG: 5.71%	SPY: -5.04%
Russia/Ukraine Ceasefire Playbook EMB (iShares J.P. Morgan USD Emerging Markets Bond ETF) HYEM (VanEck Emerging Markets High Yield Bond ETF) EUFN (iShares MSCI Europe Financials ETF) JETS (U.S. Global Jets ETF) FXE (CurrencyShares Euro Trust)	That was a question that was emailed to me this morning by a subscriber, and it was incredibly well timed because today's Alpha issue is focused on identifying potential opportunities in the market for when there is a ceasefire declared in the Russia/Ukraine war. More broadly, the Russia/Ukraine war is devolving into a stalemate and at some point, there will be a ceasefire. And, given the intense market reactions to the conflict from cer-	3/22/2022	EMB: -6.41% HYEM: -2.52% EUFN: -5.60% JETS: -10.51% FXE: -5.17%	SPY: -11.16%
Finding Opportunities in the New Energy Reality FCG (First Trust Natural Gas ETF) URA (Global X Uranium ETF) BOAT (Sonic Shares Global Shipping ETF) LNG (Cheniere Energy) FLNG (Flex LNG Ltd)	The Russia/Ukraine war has fundamentally altered the flow of energy around the world, as European countries wean themselves off Russian energy imports. This transition will take time and create opportunities across the energy sector, so today's Alpha issue is focused on identifying the strategies, sectors, and stocks that stand to benefit from this seminal shift.	4/5/2022	FCG: 1.01% URA: -22.80% BOAT: -5.72% LNG: 14.82% FLNG: 32.29%	SPY: -11.55%

<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Per- formance Since Issue Date
Staying Long With Lower Volatility ETFs. USMC (Principal U.S. Mega Cap ETF). SPHD (Invesco S&P 500 High Dividend Low Vola- tility ETF) XYLD (Global X S&P 500 Covered Call ETF)	I've made it no secret that I'm concerned about the longevity of the rally given the looming Fed tightening, yield curve inversions, high inflation, etc. But, history has shown us clearly that markets can rally, on average, 15% after a yield curve inversion, and that rally can last more than a year. Minimum volatility ETFs can provide general long exposure while also reducing the pain of sudden pullbacks, like we experienced several times in the first quarter.	4/19/2022	USMC: -11.52% SPHD: -8.48% XYLD: -18.53%	SPY: -11.11%
Contrarian Bond Strate- gy Vanguard Intermediate Term Bond ETF (BIV) iShare iBoxx Investment Grade Corporate Bond ETF (LQD) iShares Preferred and Income Securities (PFF)	This Alpha issue is one of the most contrarian issues we've produced since I started Alpha because we examine long opportunities in bond ETFs. The "bearish bond" thesis is well founded and widely adopted given high inflation and looming rate hikes. But there is another outcome that's possible where the economy slows quickly, inflation peaks and recedes, the Fed doesn't hike as much as expected, and today's bond yields become attractive over the medium and longer term. We wanted to provide a bond ETF playbook for that contrarian scenario.	5/3/2022	BIV: -3.23% LQD: -3.17% PFF: -6.58%	AGG: -3.55%
Assisting Clients Through a Potential Bear Market Bear Market Statistics Bear Market Psychology Specific Tips for a Bear Market	Recently I've had a clear increase in the number of friends and acquaintances asking if we're entering a bear market and if they should get out of the market. I told them this: History is very clear - Abandoning a long-term investment plan even in bear markets is not the right long-term decision. So, we wanted to arm you with independent and unique research, talking points, and historical analysis that reinforces that staying the course through volatility is the right solution for long-term outperformance.	5/17/2022	No recom- mendations given.	
Bottom Fishing in Beaten Down Stocks Netflix (NFLX) PayPal (PYPL) Ford (F) General Motors (GM) Etsy (ETSY) Penn National Gaming (PENN)	This issue is focused on identifying some of the most beaten-down stocks and sectors in the market today, because we know that while sentiment is very negative at the moment, there are contrarian clients who are looking for opportunities and we want to make sure you're prepared with a well-research list of individual stocks and ETFs. Additionally, we included an interactive table of 61 S&P 500 stocks that are trading below 10X earnings, and we also included other metrics such as Market Cap, Dividend Yield, and YTD Total Return.	6/1/2022	NFLX: 61.13% PYPL: -11.26% F: -0.47% GM: -0.14% ETSY: 58.76% PENN: 6.24%	SPY: -2.64%

Sevens Report Alpha Fund & Stock Ideas Benchmark Performance Since Issue Fund/Stock Strategy Date **Total Return** Date Today's issue continues with the "Bottom Fishing" theme from our previous Alpha issue, and we're going ZM: to cover what is arguably one of the most followed -32.03% Bottom Fishing with ARK ETFs and fund families in the markets: ARKK and the Fund's Favorite Stocks TSLA: ARK Funds. Zoom (ZM) -23.10% The inspiration for this issue came from the research Tesla Inc. (TSLA) ROKU: SPY: we performed for the previous Alpha issue. We Roku Inc. (ROKU) 6/14/2022 -31.81% 6.65% learned that ARKK had not only fallen nearly 80% from Block Inc. (SQ) SO: the early 2021 highs but that ARKK was now trading at 9.50% Exact Sciences Group or below levels from before the pandemic even start-(EXAS) EXAS: ed. And, if we step back, it's hard to argue that the 23.99% outlook for many of the biggest holdings in ARKK and across the ARK family of funds have worse business outlooks than before the pandemic even started. The average annual return for the S&P 500 has been 15.5% over the past 12 years, far above the longer-Five Strategies for a Low term average of just over 9%, so we think it's prudent Return Environment for advisors to ensure they have strategies to gener-Strategy One: Effective NOBL: Client Communication ate Alpha should annual returns lag the longer-term 8.80% Strategy Two: Dividends average for the next few years. SPY: SHYG: 6/28/2022 Strategy Three: Short 4.84% 4.41% So, in this issue we focused on 1) Techniques to help Term High Yield Debt SGOL: set the right expectations for clients for a potentially Strategy Four: Cash is -2.24% King low return environment over the coming years and 2) Strategy Five: Precious Specific ETFs that we think can provide solid returns Metals over the coming years amidst increased market volatility. In this Alpha issue we examined sector performance during recent recessions to determine: If defensive sectors really do outperform during Sectors that Outper-formed During Recent economic contractions and VHT: Recessions 7.01% Which defensive sectors have the best track rec-Vanguard Health Care IHF: ord of performance leading up to, during, and ETF (VHT) 5.82% SPY: after recessions. IShares U.S. Healthcare 7/12/2022 VDC: 4.33% Providers ETF (IHF) And, our research for this issue revealed a clear con-5.76% Vanguard Consumer clusion: staples ETF (VDC) PBJ: Namely, that defensive sectors broadly and specifi-Invesco Dynamic Food 8.05% cally the consumer staples and health care sectors and Beverage ETF (PBJ) demonstrated consistent patterns of outperformance leading up to, during, and following reces-

sions.

<u>Fund/Stock</u>	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue Date
Strategies for a Peak in Bond Yields First Trust NASDAQ Technology Dividend Index Fund (TDIV) Vanguard REIT ETF (VNQ) Pacer Benchmark Industrial Real Estate SCTR ETF (INDS) Pacer US Cash Cows 100 ETF (COWZ)	Yes, the Fed is set to hike the Fed Funds rate by another 100 – 200 basis points, but the long end of the yield curve is driven by inflation expectations and growth estimates, not directly by Fed rate hikes. So, if inflation is peaking and economic growth is rolling over (which is what the stock bulls are betting on) then longer dated bond yields will also peak, regardless of Fed Funds hikes. As such, we wanted to identify ETFs that have high dividend yields and that can weather economic downturns, as they should outperform as bond yields decline, because happen sooner or later yields will peak (and we'll keep you updated on the movements in the regular Sevens Report).	7/26/2022	TDIV: -3.06% VNQ: -8.80% INDS: -9.86% COWZ: 9.77%	SPY: 2.19%
The State of the Crypto Market Grayscale Bitcoin Trust (GBTC), Grayscale Ethereum Trust (ETHE). ProShares Bitcoin Strategy ETF (BITO). Amplify Transformational Data Sharing ETF (BLOK).	The cryptocurrency industry and markets have witnessed extreme turmoil so far in 2022, but the longer-term story and investor appeal of cryptocurrencies and blockchain technologies remain generally intact. So, we wanted to provide an update on the state of the crypto markets and identify quality, actionable investments that have relatively weathered the storm should clients be interested in this segment.	8/9/2022	GBTC: -43.83% ETHE: -51.84% BITO: -25.12% BLOK: -29.71%	SPY: -3.69%
Sustainable Investing Revisited Invesco MSCI Sustainable Future ETF (ERTH). iShares Self-Driving EV and Tech ETF (IDRV). SPDR S&P Kensho Clean Power ETF (CNRG).	The funding provided by the Inflation Reduction Act, combined with the higher gas prices and the energy security situation in Europe, has reinforced that the sustainable energy industry isn't just here to stay, but that it'll continue to actively grow in the coming years. In past market downturns, the renewable energy sector usually performed very poorly. However, during this market decline, select renewable energy ETFs have handily outperformed the S&P 500 and we think that outperformance underscores the fact that this is becoming a more mature industry.	8/23/2022	ERTH: -11.13% IDRV: -5.72% CNRG: -9.26%	SPY: -3.93%

Sevens Report Alpha Fund & Stock Ideas					
Fund/Stock	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue <u>Date</u>	
Repositioning for Another Rollover Invesco S&P 500 Equal Weight Utilities ETF (RYU), Invesco S&P 500 High Dividend Low Volatility ETF (SPHD), The Best-Performing S&P 500 Stocks YTD (Excluding Energy), WisdomTree Floating Rate Treasury Fund (USFR).	Our "Three Keys to A Bottom" still haven't been satisfied, so we must acknowledge the possibility that the S&P 500 takes out new lows later this year, and the July/August rally was nothing more than a bear market bounce. Given this possibility, we wanted to investigate the sectors, strategies, stocks, and ETFs that outperformed during the first six months of 2022. We hope the analysis in this issue will serve as a potential blueprint for how to outperform if the last four months of 2022 look like the first six months of 2022. Notably, we excluded energy and commodities broadly from this research, and there's one reason for that: Energy and commodity returns were turbocharged earlier in 2022 by the Russia/Ukraine war, and we simply don't want to assume another similar event occurring between now and year-end. Put differently, we don't want to assume another specifically bullish event occurs that sends those sectors higher.	9/7/2022	RYU: -5.41% SPHD: 1.92% USFR: 0.89%	SPY: -0.12%	
Opportunities in the Nuclear Energy Revival Uranium Mining Stocks. Global X Uranium ETF (URA), Nuclear Utility Stocks. VanEck Uranium + Nuclear Energy ETF (NLR), A Cutting Edge Approach. NuScale Power Corp (SMR).	The Russia/Ukraine war has upset the global energy industry and as the EU and Britain scramble to find enough natural gas to satisfy their needs, nuclear energy emerged as a potential solution not just to the current global energy shortage, but also to satisfy the increased future demand as reliance on fossil fuels declines. More specifically, the Russia/Ukraine war has exposed a significant vulnerability in the EU's energy situation and reduced natural gas flows from Russia have resulted in European countries embracing alternative forms of energy production, including nuclear. But, this isn't just an EU phenomenon. Recently, Japan recommitted to nuclear power, and surging oil and gas prices combined with rising electricity costs have resulted in renewed interest in nuclear power in the U.S. as well.	9/20/2022	URA: -9.34% NLR: -2.04% SMR: -19.91%	SPY: 2.39%	

Fund/Stock	ens Report Alpha Fund	<u>Date</u>	Total Return	Benchmark Perfor- mance Since Issue Date
Protection in a Deeper Bear Market. ProShares Short S&P 500 ETF (SH), ProShares Short QQQ (PSQ), Pacer Trendpilot US Large Cap ETF (PTLC), iShares 0-3 Month Treas- ury Bond ETF (SGOV).	Specifically, we identify three strategies to protect client portfolios if the lows are materially broken, and we are looking at another 10%-20% decline in the S&P 500. Our goal with these strategies is clear: <i>Minimize the losses and be able to "survive" to take advantage of the ultimate longer-term buying opportunity.</i> To be clear, a material break of the lows is not a foregone conclusion, and I hope none of these strategies are ultimately needed. It is possible that over the next several weeks/months we get 1) Better than feared earnings, 2) A decline in inflation via the September CPI, and 3) An eventual Fed pivot and markets find a bottom. But, the reality is that asset markets are currently facing very strong headwinds and we must address the fact that a break of the June lows is entirely possible. As such we need to have an action plan should the selling materially accelerate that can minimize losses and ensure we're positioned to take advantage of the long-term opportunity once stocks ultimately find a bottom.	10/4/2022	SH0: 5.42% PSQ: -1.10% PTLC: 0.64% SGOV: 0.64%	SPY: 4.60%
Opportunities in Municipal Bonds. JPMorgan Ultra-Short Municipal Income ETF (JMST). SPDR Nuveen Bloomberg High Yield Municipal Bond ETF (HYMB). IQ MacKay Municipal Intermediate ETF (MMIT)	Municipal bonds have been an unloved asset class for the past several years due to very low yields that sent investors to other corners of the fixed income markets. But that has changed during the 2022 bond market rout and yields on munis now are at multiyear highs. With federal funding still in place for pandemic programs, strong tax receipts, and a still-solid U.S. economy, the credit outlook for municipal bonds is stronger than the muni bond price action would imply, and we think that creates a potential opportunity. As such, we wanted to profile three ETFs that we think provide diversified exposure to the muni bond mar-	10/18/2022	JMST: 0.83% HYMB: 5.28% MMIT: 3.82%	SPY: 6.60%

ket.

Fund/Stock	<u>Strategy</u>	<u>Date</u>	Total Return	Benchmark Performance Since Issue Date
MOAT Stocks. VanEck Morningstar Wide Moat ETF (MOAT). Morningstar ESG Wide Moat ETF (MOTE). VanEck Morningstar SMID Moat ETF (SMOT).	This Alpha issue is focused on specific stocks that we think can best withstand the coming economic slowdown, and in doing so help clients outperform. Specifically, as we approach this economic contraction, analysts are rightly advocating for stocks that are less sensitive to economic growth, have strong cash flows, and have low debt ratios, as they should relatively outperform in a slow growth/no growth environment. But, there's a subset of these types of companies that may be even best positioned for the coming economic environment: MOAT stocks. The term, coined by Morningstar, reflects a sustainable competitive advantage a particular stock has in its business category that its peers will be hard-pressed to overcome. That moat gives pricing power, hyper-efficiency, or fundamental value to its customers that other companies can't duplicate to the same degree. The moat methodology scores prospective companies via five criteria: Switching Costs, Intangible Assets, Network Effects, Cost Advantage, and Efficient Scale. Screening for these criteria has resulted in this strategy with	11/1/2022	MOAT: 6.83% MOTE: 4.76% SMOT: 3.45%	SPY: 2.88%
Small Cap Stocks iShares Core S&P Small Cap ETF (IJR). Invesco S&P SmallCap 600 Revenue ETF (RWJ). Pacer U.S. Small Cap Cash Cows 100 ETF (CALF).	similar holdings to the S&P 500 but that historically outperforms that benchmark. Very quietly, small-cap stocks have outperformed the S&P 500 by 300 bps and the Nasdaq by 800 bps over the past five months. And, due to multiple factors, small caps may now be poised to provide growth to portfolios over the medium and longer term. That may seem like an odd statement given small caps have lagged for the past decade, and now face a slowing economy and higher rates, which are generally considered negative for small-cap stocks. But, the numbers don't lie: Despite slowing growth and higher rates, small caps have outperformed over the past several months. More broadly, the statistical reality is this: small caps have outperformed the S&P 500 during recessions, as the Russell 2000 has fallen an average of -4.1% vs5.9% for the S&P 500. Additionally, during the recovery phase of the economy (which follows the recession) the Russell 2000 has an average return of 31.7% vs. 21.7% for the S&P 500.	11/29/2022	IJR: -1.58% RWJ: -3.03% CALF: -2.51%	SPY: -0.02%