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From:Luc EstenneSent:Friday, March 14, 2003 1:04 PMTo:carlo.luigi.grabau@alena.beSubject:MadoffAttachments:Madoff MARHedge.pdf; Barrons.doc

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Madoff tops charts; skeptics ask how

By Michael Ocrant

Mention Bernard L. Madoff Investment Securities to anyone working on Wall Street at any time over the last 40 years and you're likely to get a look of immediate recognition.

After all, Madoff Securities, with its 600 major brokerage clients, is ranked as one of the top three market makers in Nasdaq stocks, cites itself as probably the largest source of order flow for New York Stock Exchange-listed securities, and remains a huge player in the trading of preferred, convertible and other specialized securities instruments.

Beyond that, Madoff operates one of the most successful "third markets" for trading equities after regular exchange hours, and is an active market maker in the European and Asian equity markets. And with a group of

HEDGE UPDATE

Michael Berger catches a jail break

New chapters have been written in the continting saga of **Michael Berger's Manhattan Investment Fund**, with the admitted fraudster's apparently inevitable fail term deferred when his counsel quit. Meanwhile, the civil cases against the 'deep pockets' associated with Berger---his prime broker **Bear**, **Stearns**, his auditor **Deloitte** partners, it is leading an effort and developing the technology for a new electronic auction market trading system called Primex.

But it's a safe bet that relatively few Wall Street professionals are aware that Madoff Securities could be categorized as perhaps the best risk-adjusted hedge fund portfolio manager for the last dozen years. Its S6-7 billion in assets under management, provided primarily by three feeder funds, currently would put it in the number one or two spot in the Zurich (formerly MAR) database of more than 1,100 hedge funds, and would place it at or near the top of any well-known database in existence defined by assets.

More important, perhaps, most of those who are aware of Madoff's status in the hedge fund world are baffled by the way the firm has obtained such consistent, nonvolatile returns month after month and year after year.

Madoff has reported positive returns for the last 11-plus years in assets managed on behalf of the feeder fund known as fairfield Sentry, which in providing capital for the prograin since 1989 has been doing it longer than any of the other feeder funds. Those other funds have demonstrated equally positive track records using the same strategy for much of that period.

Lack of volatility

Those who question the consistency of the returns, though not necessarily the ability to generate the gross and net returns reported, include current and former traders, **16**

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Did you know that Bernie Madoff may be the best risk-adjusted hedge fund portfolio manager? Cover

Issue No. 89

May 2001

Read one European pension fund investor's comments about its foray into hedge funds, Page 13

Last year there was a huge spread between the winners and losers in the technology sector, What did the winners do right? Page 14 Pg 4 of 9

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•1 other money managers, consultants, quantitative analysts and fund-offunds executives, many of whom are familiar with the so-called split-strike conversion strategy used to manage the assets.

These individuals, more than a dozen in all, offered their views, speculation and opinions on the condition that they wouldn't be identified. They noted that others who use or have used the strategy---described as buying a basket of stocks closely correlated to an index, while concurrently selling out-of-themoney call options on the index and buying out-of-the-money put options on the index---are known to have had nowhere near the same degree of success.

The strategy is generally described as putting on a "collar" in an attempt to limit gains compared to the benchmark index. In an up market and, likewise, limit losses to something less than the benchmark in a down market, essentially creating a floor and a ceiling.

Madolf's strategy is designed around multiple stock baskets made up of 30–35 stocks most correlated to the S&P 100 index. In marketing material issued by Fairfield Sentry, the sale of the calls is described as increasing "the standstill rate of return, while allowing upward movement of the stock portfolio to the strike price of the calls." The puls, according to the same material, are "funded in large part by the sale of the calls, [and] limit the portfolio's downside.

"A bullish or hearish bias can be achieved by adjusting the strike prices of the options, overweighting the puts, or underweighting the calls. However, the underlying value of the S&P 100 puts is always approximately equal to that of the portfolio of stocks," the marketing document concludes.

Throughout the entire period Madolf has managed the assets, the strategy, which claims to use OTC options almost entirely, has appeared to work with remarkable results.

Again, take the Fairfield Sentry fund as the example. It has reported losses of no more than 55 basis points in just four of the past 139 consecutive months, while generating highly consistent gross returns of slightly more than 1.5% a month and net annual returns roughly in the range of 15.6%.



Among all the funds on the database in that same period, the Madoff/Fairfield Sentry fund would place at number 16 if ranked by its absolute cumulative returns.

Among 423 funds reporting returns over the last five years, most with less money and shorter track records, Fairfield Sentry would be ranked at 240 on an absolute return basis and come in number 10 if measured by risk-adjusted return as defined by its Sharpe ratio.

What is striking to most observers is not so much the annual returns—which, though considered somewhat high for the strategy, could be attributed to the firm's market making and trade execution capabilities—but the ability to provide such smooth returns with so little volatility.

The best known entity using a similar strategy, a publicly traded mutual fund dating from 1978 called Gateway, has experienced far greater volatility and lower returns during the same period.

The capital overseen by Madoff through Fairfield Sentry has a cumulative compound net return of 397.5%. Compared with the 41 funds in the Zurich database that reported for the same historical period, from July 1989 to February 2001, it would rank as the best performing fund for the period on a riskadjusted basis, with a Sharpe ratio of 3.4 and a standard deviation of 3.0%. (Ranked strictly by standard deviation, the Fairfield Sentry funds would come in at number three, behind two other market neutral funds.)

Questions abound

Bernard Madoff, the principal and founder of the firm who is widely known as Bernie, is quick to note that one reason so few might recognize Madoff Securities as a hedge fund manager is because the firm

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makes no claim to being one.

The acknowledged Madoff feeder funds—New York-based Fairfield Sentry and Tremont Advisors' Broad Market; Kingate, operated by FIM of London, and Swiss-based Thema—derive all the incentive fees generated by the program's returns (there are no management fees), provide all the administration and marketing for them, raise the capital and deal with investors, says Madoff.

Madoff Securities' role, he says, is to provide the investment strategy and execute the trades, for which it generates commission revenue.

[Madoff Securities also manages money in the program allocated by an unknown number of endowments, wealthy individuals and family offices. While Bernie Madoff refuses to reveal total assets under management, he does not dispute that the figure is in the range of \$6 billion to \$7 billion.]

Madoff compares the firm's role to a private managed account at a brokerdealer, with the broker-dealer providing investment ideas or strategies and executing the trades and making money off the account by charging commission on each trade.

Skeptics who express a mixture of amazement, fascination and curiosity about the program wonder, first, about the relative complete lack of volatility in the reported monthly returns.

But among other things, they also marvel at the seemingly astonishing ability to time the market and move to cash in the underlying securities before market conditions turn negative, and the related ability to buy and sell the underlying stocks without noticeably affecting the market.

In addition, experts ask why no one has been able to duplicate similar returns using the strategy and why other firms on Wall Street haven't become aware of the fund and its strategy and traded against it, as has happened so often in other cases; why Madoff Securities is willing to earn commissions off the trades but not set up a separate asset management division to offer hedge funds directly to investors and keep all the incentive fees for itself, or conversely, why it doesn't borrow the money from creditors, who are generally willing to provide leverage to a fully hedged portfolio of up APR-30-2001 MON 03:10 PM 10-04330-lgb Doc 331-78

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to seven to one against capital at an interest rate of Libor-plus, and manage the funds on a proprietary basis.

These same skeptics speculate that at least part of the returns must come from other activities related to Madolf's market making. They suggest, for example, that the bid-ask spreads earned through those activities may at times be used to "subsidize" the funds.

According to this view, the benefit to Madoff Securities is that the capital provided by the funds could be used by the firm as "pseudo equity," allowing it either to use a great deal of leverage without taking on dobt, or simply to conduct far more market making by purchasing additional order flow than it would otherwise be able to do.

And even among the four or five professionals who express both an understanding of the strategy and have little trouble accepting the reported returns it has generated, a majority still expresses the belief that, if nothing else, Madoff must be using other stocks and options rather than only those in the S&P 100.

Bernie Madoff is willing to answer each of those inquiries, even if he refuses to provide details about the trading strategy he considers proprietary information.

And in a face-to-face interview and several telephone interviews, Madoff sounds and appears genuinely amused by the interest and attention aimed at an asset management strategy designed to generate-coosservative/clow-risk returns that he notes are nowhere near the top results of well-known fund managers on an absolute return basis.

Lack of volatility illusory

The apparent lack of volatility in the performance of the fund, Madoff says, is an illusion based on a review of the monthly and annual returns. On an intraday, intraweek and intramonth basis, he says, "the volatility is all over the place," with the fund down by as much as 1%.

But as whole, the split-strike conversion strategy is designed to work best in bull markets and, Madoff points out,

COVER STORY

until recently "we've really been in a bull market since '82, so this has been a good period to do this kind of stuff."

Market volatility, moreover, is the strategy's friend, says Madolf, as one of the fundamental ideas is to exercise the calls when the market spikes, which with the right stock picks would add to the performance.

In the current bearish environment, when some market experts think the fund should have been showing negative returns, albeit at levels below the benchmark index, managing the strategy has become more difficult, says Madoff, although performance has remained positive or, as in february, flat.

The worst market to operate in using the strategy, he adds, would be a protracted bear market or "a flat, dull market." In a stock market environment similar to what was experienced in the 1970s, for instance, the strategy would be lucky to return "T-bill like returns."

Market timing and stock picking are both important for the strategy to work, and to those who express aston- **18**



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APR-30-2001 MON 03:11 PM 10-04330-lgb Doc 331-78 Filed 06/24/25 Entered 06/24/25 22:30:48 Exhibit 76

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417 Ishment at the firm's ability in those areas, Madoli points to long expensione, excellent technology that provides superb and low-cost execution capabilities, good proprietary stock and options pricing models, well established infrastructure, market making ability and market intelligence derived from the massive amount of order flow it handles each rfay.

The strategy and tracking, he says, are done mostly by signals from a proprietary "black box" system that allows for human intervention to take into account the "gut feel" of the fina's professionals. "I don't want to get on an airplane without a pilot in the seat," says Madolf. "I only trust the autopilot so much."

As for the specifics of how the firm ranages risk and limits the market impact of moving so much capital in and out of positions, Madoff responds first by soying, "I'm not interested in educating the world on our strategy, and I won't get into the nuances of how we manage risk." The reiterates the undisputed strengths and advantages the firm's operations provide that make it possible.

Multiple stock baskets

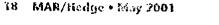
Avoiding market impact by trading the underlying securities, he says, is one of the strategy's primary goals. This is done by creating a variety of stock haskets, sometimes as many as a dozen, with different weightings that allow positions to be taken or unwound slowly over a oneor two-week period.

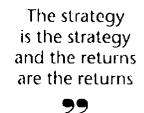
Madolf says the baskets comprise the most highly capitalized liquid securities in the market, making the entry and exit strategies easier to manage.

Inclass stresses that the assets used for the strategy are often invested in Treasury securities as the firm waits for specific market opportunities. He won't reveal how much capital is required to be deployed at any given time to maintain the strategy's return characteristics, but does say that "the goal is to be 10065 invested."

The inability of other firms to duplicate his firm's success with the strategy, says Madoff, is attributable, again, to its highly regarded operational infrastructure. He notes that one could make the saide observation about many busibesses, including market making firms.

Many major Wall Strent broker-deal-





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ers, he observes, previously attempted to replicate established market making operations but gave up trying when they realized how difficult it was to do so successfully, opting instead to acquire them for hefty sums.

[Indeed, says Martoff, the firm_itself, has received numerous buyout offers but has so far refused any entreaties because he and the many members of his immediate and extended family who work there continue to enjoy what they do and the independence it allows and have no desire to work for someone clse,]

Similarly, he adds, another firm could duplicate the strategy in an attempt to get similar results, but its returns would likely be unmatched because "you need the physical plant and a large operation" to do it with equal success. However, many Wall Street firms, he says, do use the strategy in their proprietary trading activities, but they don't devote more capital to such operations because their return on Capital is better used in other operations.

Setting up a proprietary trading operation strictly for the strategy, or a separate asset management division in order to collect the incentive fees, says Madoff, would conflict with his firm's primary business of market making.

Commissions suffice

"Wo're perfectly happy making the commissions" by trading for the funds, he says, which industry-observers-note also gives the firm the entirely legitimate opportunity to "piggyback" with proprietary trading that is given an advantage by knowing when and where orders are being placed.

Setting up a division to offer funds directly, says Madoff, is not an attractive proposition simply because he and the

COVER STORY

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firm have no desire to get involved in the administration and marketing required for the effort, nor to deal with investors.

Many parts of the firm's operations could be similarly leveraged, he notes, but the firm generally believes in concentrating on its core strengths and not overextending itself. Overseeing the capital provided by the funds and its managed accounts, he says, provides another fairly stable stream of revenue that offers some degree of operational diversification.

Madoff readily dismisses speculation concerning the use of the capital as "pseudo equity" to support the firm's market making activities or provide leverage. He says the firm uses no leverage, and has more than enough capital to support its operations.

Since the firm makes markets in only the most highly capitalized, liquid stocks generally represented by the S&P 500 index, a majority of which are listed on the NYSE, as well as the 200 most highly capitalized Nasdaq-listed stocks, says Madoff, it has almost no meentory risk.

finally, Madoff calls ridiculous the conjecture that the firm at times provides subsidies generated by its market making activities to smooth out the returns of the funds in a symbiolic relationship related to its use of the capital as a debt or equity substitute. He agrees that the firm could easily borrow the money itself at a fairly low interest rate if it were needed, and would therefore have no reason to share its profits. "Why would we do that?"

Still, when the many expert skeptics were asked by MAR/Hedge to respond to the explanations about the funds, the strategy and the consistently-low volatility returns, most continued to express bewilderment and indicated they were still grappling to understand-how such results have been achieved for so long.

Madoff, who believes that he deserves "some credibility as a trader for 40 years," says: "The strategy is the strategy and the returns are the returns." He suggests that those who believe there is something more to it and are seeking an answer beyond that are wasting their time. 10-04330-lgb Doc 331-78 Filed 06/24/25 Entered 06/24/25 22:30:48 Exhibit 76 Pg 7 of 9

Don't Ask, Don't Tell

Bernie Madoff is so secretive, he even asks investors to keep mum

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By Erin E. Arvedlund

T wo years ago, at a hedge-fund conference in New York, attendees were asked to name some of their favorite and most-respected hedge-fund managers. Neither George Soros nor Julian Robertson merited a single mention. But one manager received lavish praise: Bernard Madoff.

Folks on Wall Street know Bernie Madoff well. His brokerage firm, Madoff Securities, helped kick-start the Nasdaq Stock Market in the early 1970s and is now one of the top three market makers in Nasdaq stocks. Madoff Securities is also the third-largest firm matching buyers and sellers of New York Stock Exchange-listed securities. Charles Schwab, Fidelity Investments and a slew of discount brokerages all send trades through Madoff.

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The linked maps cannot be displayed. The file may have been moved, renamed, or debided, trefy that the link points to the connot file and location.	But what few on the Street know is that Bernie Madoff also manages \$6 billion-to-\$7 billion for wealthy individuals. That's enough to rank Madoff's operation among the world's three largest hedge funds, according to a May 2001 report in MAR Hedge, a trade publication.
	What's more, these private accounts, have produced compound average annual returns of 15% for more than a decade. Remarkably, some of the larger, billion-dollar Madoff-run funds have never had a down year.
	When Barron's asked Madoff Friday how he accomplishes this, he said, "It's a proprietary strategy. I can't go into it in great detail."
Some folks on Wall Street think there's more to how Madoff (above) generates his enviable stream of investment returns than meets the eye. Madoff calls these claims "ridiculous."	Nor were the firms that market Madoff's funds forthcoming when contacted earlier. "It's a private fund. And so our inclination has been not to discuss its returns," says Jeffrey Tucker, partner and co-founder of Fairfield Greenwich, a New York City-based hedge-fund marketer.

"Why Barron's would have any interest in this fund I don't know." One of Fairfield Greenwich's most sought-after funds is Fairfield Sentry Limited. Managed by Bernie Madoff, Fairfield Sentry has assets of \$3.3 billion.

A Madoff hedge-fund offering memorandums describes his strategy this way: "Typically, a position will consist of the ownership of 30-35 S&P 100 stocks, most correlated to that index, the sale of out-of-the-money calls on the index and the purchase of out-of-the-money puts on the index. The sale of the calls is designed to increase the rate of return, while allowing upward movement of the stock portfolio to the strike price of the calls. The puts, funded in large part by the sale of the calls, limit the portfolio's downside."

Among options traders, that's known as the "split-strike conversion" strategy. In layman's terms, it means Madoff invests primarily in the largest stocks in the S&P 100 index -- names like <u>General Electric</u>, <u>Intel</u> and <u>Coca-Cola</u>. At the same time, he buys and sells options against those stocks. For example, Madoff might purchase shares of GE and sell a call option on a comparable number of shares -- that is, an option to buy the shares at a fixed price at a future date. At the same time, he would buy a put option on the stock, which gives him the right to sell shares at a fixed price at a future date.

The strategy, in effect, creates a boundary on a stock, limiting its upside while at the same time protecting against a sharp decline in the share price. When done correctly, this so-called market-neutral strategy produces positive returns no matter which way the market goes.

Using this split-strike conversion strategy, Fairfield Sentry Limited has had only four down months since inception in 1989. In 1990, Fairfield Sentry was up 27%. In the ensuing decade, it returned no less than 11% in any year, and sometimes as high as 18%. Last year, Fairfield Sentry returned 11.55% and so far in 2001, the fund is up 3.52%.

Those returns have been so consistent that some on the Street have begun speculating that Madoff's market-making operation subsidizes and smooths his hedge-fund returns.

How might Madoff Securities do this? Access to such a huge capital base could allow Madoff to make much larger bets -- with very little risk -- than it could otherwise. It would work like this: Madoff Securities stands in the middle of a tremendous river of orders, which means that its traders have advance knowledge, if only by a few seconds, of what big customers are buying and selling. By hopping on the bandwagon, the market maker could effectively lock in profits. In such a case, throwing a little cash back to the hedge funds would be no big deal.

When Barron's ran that scenario by Madoff, he dismissed it as "ridiculous."

Still, some on Wall Street remain skeptical about how Madoff achieves such stunning double-digit returns using options alone. The recent MAR Hedge report, for example, cited more than a dozen hedge fund professionals, including current and former Madoff traders, who questioned why no one had been able to duplicate Madoff's returns using this strategy. Likewise, three option strategists at major investment banks told Barron's they couldn't understand how Madoff churns out such numbers. Adds a former Madoff investor: "Anybody who's a seasoned hedge- fund investor knows the split-strike conversion is not the whole story. To take it at face value is a bit naïve."

Madoff dismisses such skepticism. "Whoever tried to reverse-engineer \, he didn't do a good job. If he did, these numbers would not be unusual." Curiously, he charges no fees for his money-management services. Nor does he take a cut of the 1.5% fees marketers like Fairfield Greenwich charge investors each year. Why not? "We're perfectly happy to just earn commissions on the trades," he says.

Perhaps so. But consider the sheer scope of the money Madoff would appear to be leaving on the table. A typical hedge fund charges 1% of assets annually, plus 20% of profits. On a \$6 billion fund generating 15% annual returns, that adds up to \$240 million a year.

The lessons of Long-Term Capital Management's collapse are that investors need, or should want, transparency in their money manager's investment strategy. But Madoff's investors rave about his performance -- even though they don't understand how he does it. "Even knowledgeable people can't really tell you what he's doing," one very satisfied investor told Barron's. "People who have all the trade confirmations and statements still can't define it very well. The only thing I know is that he's often in cash" when volatility levels get extreme. This investor declined to be quoted by name. Why? Because Madoff politely requests that his investors not reveal that he runs their money.

"What Madoff told us was, 'If you invest with me, you must never tell anyone that you're invested with me. It's no one's business what goes on here,'" says an investment manager who took over a pool of assets that included an investment in a Madoff fund. "When he couldn't explain \ how they were up or down in a particular month," he added, "I pulled the money out."

For investors who aren't put off by such secrecy, it should be noted that Fairfield and Kingate Management both market funds managed by Madoff, as does <u>Tremont Advisers</u>, a publicly traded hedge-fund advisory firm.