

The GAMCO Global Opportunity Fund

Shareholder Commentary – December 31, 2010



Morningstar® rated The GAMCO Global Opportunity Class AAA Shares 4 stars overall and 4 stars for the three and five year periods and 3 stars for the ten year period ended December 31, 2010 among 628, 628, 493, and 261 World Stock funds, respectively.



Caesar Bryan

To Our Shareholders,

For the fourth quarter of 2010, the net asset value (“NAV”) of the Class AAA Shares of the GAMCO Global Opportunity Fund (the “Fund”) appreciated 14.3%. This compares with gains of 8.7% and 9.5% for the Morgan Stanley Capital International (“MSCI”) All Country World Free Index and the Lipper Global Large-Cap Core Fund Average, respectively.

Comparative Results

Average Annual Returns through December 31, 2010 (a)

	Quarter	1 Year	3 Year	5 Year	10 Year	Since Inception (5/11/98)
GAMCO Global Opportunity Fund Class AAA	14.31%	18.39%	(1.23)%	4.63%	3.59%	7.27%
MSCI AC World Free Index	8.73	12.67	(4.29)	3.44	3.20	3.20(b)
Lipper Global Large-Cap Core Fund Average	9.50	11.00	(3.91)	3.43	1.88	3.31
Lipper Global Multi-Cap Core Fund Average	9.51	13.70	(1.94)	3.86	4.76	4.57

In the current prospectus, the gross expense ratio is 2.72%. The net expense ratio is 2.05% after contractual reimbursements by Gabelli Funds, LLC (the “Adviser”) in place through April 30, 2011. Class AAA do not have a sales charge.

- (a) **Returns represent past performance and do not guarantee future results.** Total returns and average annual returns reflect changes in share price, reinvestment of distributions, and are net of expenses. Investment returns and the principal value of an investment will fluctuate. When shares are redeemed, they may be worth more or less than their original cost. Current performance may be lower or higher than the performance data presented. Performance returns for periods of less than a year are not annualized. Visit www.gabelli.com for performance information as of the most recent month end. **Investors should carefully consider the investment objectives, risks, charges, and expenses of the Fund before investing. The prospectus contains information about this and other matters and should be read carefully before investing.** Other shares classes are available and have different performance characteristics. See page 7 for performance of other classes of shares. Investing in foreign securities involves risks not ordinarily associated with investments in domestic issues, including currency fluctuation, economic, and political risk. The Morgan Stanley Capital International (“MSCI”) All Country (“AC”) World Free Index is an unmanaged indicator of stock market performance, while the Lipper Global Large-Cap Core Fund Average and the Lipper Global Multi-Cap Core Fund Average reflects the average performance of mutual funds classified in those particular categories. Dividends are considered reinvested. You cannot invest directly in an index.
- (b) MSCI AC World Free Index since inception performance is as of December 31, 2000.

Morningstar Rating™ is based on risk-adjusted returns. The Overall Morningstar Rating is derived from a weighted average of the performance figures associated with a fund’s three, five, and ten year (if applicable) Morningstar Rating metrics. For funds with at least a three year history, a Morningstar Rating is based on a risk-adjusted return measure (including the effects of sales charges, loads, and redemption fees) placing more emphasis on downward variations and rewarding consistent performance. That accounts for variations in a fund’s monthly performance. The top 10% of funds in each category receive 5 stars, the next 22.5% 4 stars, the next 35% 3 stars, the next 22.5% 2 stars, and the bottom 10% 1 star. (Each share class is counted as a fraction of one fund within this scale and rated separately, which may cause slight variations in the distribution percentages.) Morningstar Rating is for the AAA Share class only; other classes may have different performance characteristics. Ratings reflect relative performance. Results for certain periods were negative. ©2010 Morningstar, Inc. All Rights Reserved. The information contained herein: (1) is proprietary to Morningstar and/or its content providers; (2) may not be copied or distributed; and (3) is not warranted to be accurate, complete or timely. Neither Morningstar nor its content providers are responsible for any damages or losses arising from any use of this information.

For 2010, the Fund appreciated 18.4% versus gains of 12.7% and 11.0% for the MSCI AC World Free Index and the Lipper Global Large-Cap Core Fund Average, respectively.

Equity markets continued their summer rally during the fourth quarter supported by very loose monetary policies in the major developed economies and continued slow but positive economic growth. The U.S. market was one of the stronger major equity markets with the S&P 500 rising by 10.2%. Europe, in aggregate, rose by 4.1%, Emerging Markets by 7.1%, and Asia Pacific by 6.7%. Japan rallied by 12.0%.

The dollar, as measured by the DXY Index (an index of the dollar relative to six major world currencies) rose by an insignificant 0.4% during the quarter. It appreciated by 1.8% relative to the Euro but declined by 2.8% relative to the Yen. Commodities were strong during the quarter with copper rising by 21.5% and oil by 10.8%. Most agricultural commodities also rallied during the quarter.

On a global basis all the ten major industry groups monitored by MSCI appreciated during the quarter. The best performers were Materials +17.8%, Energy +16.8%, and Industrials +11.3%. The three worst performing industry groups were Utilities +1.9%, Telecommunication Services +3.7%, and Health Care +3.4%.

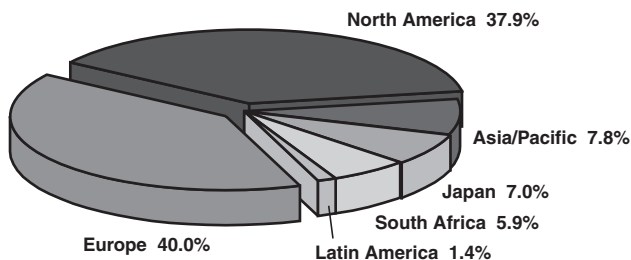
Our Approach

We purchase attractively valued companies that we believe have the opportunity to grow earnings more rapidly than average, within that company's local market. We pay close attention to a company's market position, management, and balance sheet, with particular emphasis on the ability of the company to finance its growth. Generally, we value a company relative to its local market, but where appropriate, we will attempt to benefit from valuation discrepancies between markets. Our primary focus is on security selection and not country allocation, but the Fund will remain well diversified by sector and geography. Country allocation is likely to reflect broad economic, financial, and currency trends, as well as relative size of the market.

International Allocation

The accompanying chart presents the Fund's holdings by geographic region as of December 31, 2010. The geographic allocation will change based on current global market conditions. Countries and/or regions represented in the chart may or may not be included in the Fund's future portfolio.

HOLDINGS BY GEOGRAPHIC REGION – 12/31/10



Commentary

As fears of a double dip recession faded and sovereign debt issues in Europe appeared to be manageable equity markets were fueled by another round of quantitative easing (QE) in the United States. Also a tax deal announced near the end of the year in the United States further helped sentiment in the world's largest market.

Last year was a reasonably good one for the global economy. According to the World Bank the world economy grew by 3.9% in 2010 after having declined by 2.2% in 2009. After falling 11% in 2009, world trade expanded by 16% last year. Behind these numbers is a remarkable divergence between the major developed economies who are traveling in the slow lane and the developing economies that are in danger of breaking the speed limit.

The developed, high income countries grew by 2.8% last year having contracted by 3.4% in 2009. It is these economies that have been fed a diet of ultra loose monetary and fiscal policy to combat the financial crisis and the ensuing recession. In spite of this unprecedented stimulus growth remains sluggish and unemployment stubbornly high. Many of these economies remain constrained by high debt levels.

Contrast this with the performance of the developing economies. Last year, the World Bank estimated the developing economies grew by 7% compared with 2% in 2009. Excluding China and India which grew by 10% and 9.5% respectively in 2010, the developing economies still managed to grow by 5.2%.

This two speed world has created some tension. It is claimed by some leaders in the developing world that the loose monetary policy being pursued by the Federal Reserve is having a spill over impact in the developing economies. Low interest rates and the renewed appetite for risk has led investors to raise capital flows to emerging economies. Although higher in 2010 than 2009 these flows are well below levels of 2007 expressed as a percent of GDP. As Martin Wolf wrote in the Financial Times “this poses a dilemma for policy makers in emerging countries. They have to choose between intervention or allowing their currencies to appreciate; the former preserves competitiveness in the short term, but risks inflation in the long term; the latter avoids inflation in the long term, but threatens competitiveness in the short term.”

Inflation is a major concern in many developing economies. For example, inflation is running at 4.6% in China, 5.9% in Brazil, 10% in India and 4.1% in South Korea. Countries have responded in different ways but generally the option of letting their currencies appreciate has been avoided. Some have imposed capital controls. These include Taiwan, Brazil, South Korea and Indonesia. Others have raised interest rates and reserve requirements. China, for example, has raised reserve requirements on seven occasions as well as raising interest rates. The price rises of various commodities has been startling. Cotton has doubled in six months and soybeans have risen by 40% in a similar time frame.

Even in some developed countries inflation is rising. In December, the annual inflation rate in the United Kingdom was 3.7% and has been above the target rate of 2% since December 2009. In the Euro zone it is running at about 2.4%. With slow growth, high debt levels, plenty of spare capacity and high unemployment, central banks such as the Federal Reserve, the Bank of England, and the European Central Bank will be reluctant to tighten monetary policy. Without wage growth the authorities in the developed economies appear unconcerned about an inflationary threat. The Chinese Yuan has appreciated by 3.6% relative to the dollar since June 2010 when authorities there signaled a more flexible exchange rate policy. Should the Yuan strengthen further it is safe to assume other currencies, especially in the Far East, will strengthen, too.

The sovereign debt issue within the Euro zone has, in our belief, not been solved. This is an issue of solvency as opposed to liquidity. Thus far a number of stop gap measures have been presented but there remains a deep divide between solvent countries such as Germany and uncompetitive and over indebted peripheral countries. Debt restructuring will probably have to occur or otherwise highly indebted countries such as Greece, Ireland and Portugal will suffer recessionary conditions for years.

Investment Scorecard

Generally our more economically sensitive stocks performed best during the quarter. Our top contributors to performance for the fourth quarter of 2010 included three materials holdings; Antofagasta (6.5% of net assets as of December 31, 2010), Gold Fields (5.1%) and Monsanto (1.3%), three energy stocks Schlumberger (3.7%), Saipem (2.9%), and Peabody Energy (1.6%). Others in the top ten were Consumer Discretionary companies Richemont (4.3%) and Cablevision (1.5%) as well as Precision Castparts (4.0%) and Google (3.4%).

Our worst contributor to return for the fourth quarter of 2010 was Financial company Kinnevik Investment (1.5%). Three others were Industrial holdings; Jardine Matheson (1.4%), L-3 Communications (1.5%), and Lockheed Martin (1.3%). Also three Consumer Staples contributed poorly and they were General Mills (1.8%), Heineken (1.6%), and Dr Pepper Snapple (0.6%). Rounding out the bottom ten were Hoya (0.5%) and two holdings we sold during the quarter, Tokai Carbon and Japan Tobacco.

We also sold our position in Sinotrans Limited and added no new positions in the last quarter of 2010.

Let's Talk Stocks

The following are stock specifics on selected holdings of our Fund. Favorable earnings prospects do not necessarily translate into higher stock prices, but they do express a positive trend that we believe will develop over time. Individual securities mentioned are not necessarily representative of the entire portfolio. For the following holdings, the percentage of net assets and their share prices stated in U.S. dollar equivalent terms, are presented as of December 31, 2010.

CNH Global NV (1.6%) (CNH - \$47.74 - NYSE), headquartered in the Netherlands, is a global manufacturer of agricultural and construction equipment. The company operates in three segments: Agricultural Equipment, Construction Equipment, and Financial Services. We continue to believe that CNH offers the most compelling risk/reward ratio in the agricultural space.

CRH plc (0.8%) (CRH: ID - \$20.71 - Dublin Stock Exchange) (CRH: LN - \$20.91 - London Stock Exchange) is a Dublin, Ireland based international building materials company that has an excellent long-term track record of increasing earnings per share. CRH focuses on three closely related core businesses; primary materials, value-added building products and specialist building materials distribution. The company has grown by making acquisitions, which are complementary to its existing operations. CRH's diversity in its product line and geographic reach keep this company well protected against a slowdown in any one particular product segment or country. This global presence should contribute to CRH's continued growth. The company operates in 35 countries and employs approximately 80,000 people.

Gold Fields (5.1%) (GFI - \$18.13 - NYSE) is a South African based gold mining company with a significant portion of its assets in West Africa and Australia. Gold Fields has recently completed optimization projects on its Kloof and Driefontein mines in South Africa, and is in the process of developing the ore body of its potentially world class South Deep project. We believe that South Deep has the potential to eventually produce one million ounces of gold at below \$400 per ounce of production. This would place the project amongst the highest production, highest margin gold mines in the world.

Google (3.4%) (GOOG - \$593.97 - Nasdaq) is widely recognized as the world's leading Internet search engine. Google's stated mission is to organize the world's information and make it universally accessible and useful. Google generates revenue by providing advertisers with the opportunity to deliver measurable, cost effective online advertising that is relevant to the information displayed on any given webpage. This makes the advertising useful to consumers as well as to the advertiser placing it. We believe this highly innovative and fast growing company is uniquely positioned to create new market opportunities while maintaining its lead in online search.

Jardine Matheson Holdings Ltd. (1.4%) (JM.SP - \$44.00 - Singapore Stock Exchange) was founded as a trading company in China in 1832, is today a diversified business group focused principally on Asia. Its businesses comprise a combination of cash generating activities and long-term property assets. The Group's interests include Jardine Pacific, Jardine Motors, Jardine Lloyd Thompson, Hongkong Land, Dairy Farm, Mandarin Oriental, Jardine Cycle & Carriage, and Astra International. These companies are leaders in the fields of engineering and construction, transport services, insurance brokering, property investment and development, retailing, restaurants, luxury hotels, motor vehicles and related activities, financial services, heavy equipment, mining, and agribusiness. The Group also has a minority investment in Rothschilds Continuation, the merchant banking house. Jardine Matheson Limited operates from Hong Kong and provides management services to Group companies.

Microsoft (1.8%) (MSFT - \$27.92 - Nasdaq) the world's largest software company, develops, manufactures, and licenses a range of software products for a variety of computing devices from PC's to servers to its Xbox game console. While the company's core desktop operating system and applications software franchise (Windows/MS Office) is maturing, Microsoft is gaining share in the enterprise market and, with its Internet and

Xbox efforts, in the consumer markets also. With gross margins near 80%, Microsoft is one of the most profitable companies in history. The company's newest operating system for PC's, Windows 7, was released on October 22, 2009.

Pernod Ricard (2.1%) (RI FP - \$94.02 - Paris Stock Exchange) is a leading global spirits and wine producer, with brands including Chivas Regal, Ballantines, Malibu, Havana Club, Beefeater, Jameson, and Kahlua. In July 2008, the company acquired Vin & Spirit, the owner of Absolut vodka, which is the fourth largest premium spirit brand by volume globally, making Pernod the global co-leader in spirits by volume. In May 2009, the company completed a €1 billion rights offering in order to reduce leverage from the acquisition. Despite difficult economic conditions, Pernod grew sales by 2% and EBIT by 4% on an organic basis in fiscal 2010, and is off to a very strong start to fiscal 2011, growing sales by 10% organically in the first quarter. Through top line growth, operating leverage, and debt repayment, we expect Pernod to benefit from the economic recovery and return of consumers to "premiumization."

Petroleo Brasileiro SA (1.4%) (PBR - \$37.84 - NYSE) is Brazil's largest energy company, with a presence in twenty-eight countries. The company is divided into six business areas: Exploration and Production, Refining, Transportation and Marketing, Distribution, Gas and Power, and International. Petrobras operates nearly 8,000 service stations, more than 100 production platforms, sixteen refineries, and has average annual oil and natural gas production of 2.4 million barrels of oil equivalent, per day. Petrobras stands to benefit from rising oil demand with proven reserves of 11.2 billion barrels of oil equivalent not including the recent discoveries in the mega-fields of the Campos Basin, Tupi, Jupiter, Carioca, and Bem-te-vi.

Precision Castparts (4.0%) (PCP - \$139.21 - NYSE) is a manufacturer of investment castings and forgings primarily for the aerospace and industrial gas turbine markets. The company also makes fasteners and industrial products for the automotive, aerospace, and general industrial markets. PCP is a strong cash flow generator. We believe the company plans to use the cash for acquisitions. PCP's acquisition strategy centers on buying businesses within the company's core competencies that include manufacturing component products for complex end users. The strategy also includes finding companies that have procurement or technologies similar to PCP's and similar customer profiles. These characteristics should provide opportunities for PCP to improve the acquired company's profitability thereby to enhance PCP's earnings.

Xstrata plc (1.7%) (XTA LN - \$23.47 - London Stock Exchange) is a diversified mining group headquartered in Switzerland. It focuses on seven international commodity markets: copper, coking coal, thermal coal, ferrochrome, nickel, vanadium, and zinc, with additional exposures to platinum group metals, gold, cobalt, lead, and silver, recycling facilities, and a suite of global technology products. Xstrata's operations and projects span nineteen countries and they employ approximately 62,000 people, including contractors. Its activities are organized into five global commodity businesses: alloys, coal, copper, nickel, and zinc, and a technology services business, which provides technologies and specialist services in the areas of mining, mineral processing, and metals extraction to mining companies worldwide and to Xstrata's own operations.

Conclusion

The prospects for most equity markets in the developed countries are good. Economies are growing, corporate earnings are strong and monetary policy remains loose. Valuations are not excessive and decent earnings growth can be expected in 2011. For example, according to MSCI, the EAFE Index is trading on a P/E of 15.5 times based on the latest rolling twelve month period with a yield of 2.9%. Also most markets remain well below their all time highs. The EAFE Index closed 2010 30.6% below its all time high while emerging markets, according to MSCI, closed 2010 14.0% below their high. Finally as investor confidence improves competition from other asset classes has lessened. Cash yields almost nothing in most countries even as

inflation is ticking up and bond yields are rising from albeit very low levels. The large gains from the bond bull market could be over. Of course, there are a number of macroeconomic challenges including continuing high debt levels especially in the United States, parts of Europe and Japan. Also highly accommodative monetary policy will need to be reversed but we do not expect this to occur in the near term. And finally equity markets have enjoyed a strong six months so some profit taking can be expected.

Sincerely,



Caesar Bryan
Team Portfolio Manager

February 10, 2011

Note: The views expressed in this Shareholder Commentary reflect those of the Portfolio Manager only through the end of the period stated in this Shareholder Commentary. The Portfolio Manager's views are subject to change at any time based on market and other conditions. The information in this Portfolio Manager's Shareholder Commentary represents the opinions of the individual Portfolio Manager and is not intended to be a forecast of future events, a guarantee of future results, or investment advice. Views expressed are those of the Portfolio Manager and may differ from those of other portfolio managers or of the Firm as a whole. This Shareholder Commentary does not constitute an offer of any transaction in any securities. Any recommendation contained herein may not be suitable for all investors. Information contained in this Shareholder Commentary has been obtained from sources we believe to be reliable, but cannot be guaranteed.

Minimum Initial Investment – \$1,000

The Fund's minimum initial investment for regular accounts is \$1,000. There are no subsequent investment minimums. No initial minimum is required for those establishing an Automatic Investment Plan. Additionally, the Fund and other Gabelli/GAMCO Funds are available through the no-transaction fee programs at many major brokerage firms. The Fund imposes a 2% redemption fee on shares sold in seven days or less of a purchase. See the prospectus for more details.

www.gabelli.com

Please visit us on the Internet. Our homepage at www.gabelli.com contains information about GAMCO Investors, Inc., the Gabelli/GAMCO Mutual Funds, IRAs, 401(k)s, current and historical quarterly reports, closing prices, and other current news.

The Fund's daily net asset value per share is available in the financial press and each evening after 7:00 PM (Eastern Time) by calling 800-GABELLI (800-422-3554). The Fund's Nasdaq symbol is GABOX for Class AAA Shares. Please call us during the business day, between 8:00 AM – 7:00 PM (Eastern Time), for further information.

Top Ten Holdings (Percent of Net Assets) December 31, 2010

Antofagasta plc 6.54%	Google Inc. 3.44%
Gold Fields Ltd. 5.11%	Christian Dior SA 3.10%
Cie Financiere Richemont SA 4.25%	Saipem SpA 2.85%
Precision Castparts Corp. 4.03%	British American Tobacco plc 2.81%
Schlumberger Ltd. 3.74%	Roche Holding AG 2.12%

We welcome your comments and questions via e-mail at info@gabelli.com. You may sign up for our e-mail alerts at www.gabelli.com and receive early notice of quarterly report availability, news events, media sightings, and mutual fund prices and performance.

e-delivery

We are pleased to offer electronic delivery of Gabelli fund documents. Direct shareholders of our open-end mutual funds can elect to receive their Annual, Semiannual, and Quarterly Fund Reports, Manager Commentaries and Prospectuses via e-delivery. For more information or to sign-up for e-delivery, please visit our website at www.gabelli.com.

Multi-Class Shares

The Fund began offering additional classes of Fund shares in March 2000. Class AAA Shares are no-load shares offered directly by selected broker/dealers. Class A and Class C Shares are targeted to the needs of investors who seek advice through financial consultants. Class I Shares are available solely to certain institutions which invest directly with the Fund. The minimum initial investment amount for Class I Shares is \$500,000. The Board of Directors determined that expanding the types of Fund shares available through various distribution options would enhance the ability of the Fund to attract additional investors.

GAMCO Global Opportunity Fund Average Annual Returns — December 31, 2010 (a)					
	Class AAA Shares	Class A Shares	Class B Shares	Class C Shares	Class I Shares
1 Year	18.39%	18.39%	17.49%	17.52%	18.70%
		11.58(c)	12.49(d)	16.52(e)	
3 Year	(1.23)	(1.24)	(1.98)	(1.98)	(0.96)
		(3.17)(c)	(2.97)(d)	(1.98)	
5 Year	4.63	4.64%	3.84%	3.81%	4.80
		3.40(c)	3.50(d)	3.81	
10 Year	3.59	3.61	2.83	3.22	3.67
		3.00(c)	2.83	3.22	
Life of Fund (b)	7.27	7.28	6.64	6.97	7.34
		6.78(c)	6.64	6.97	
Gross Expense Ratio	2.72	2.72	3.47	3.47	2.47
Net Expense Ratio	2.05	2.05	2.80	2.80	1.80
Maximum Sales Charge ..	None	5.75	5.00	1.00	None
Ticker Symbols	GABOX	GOCAX	36464T703	GGLCX	GLOIX

(a) **Returns represent past performance and do not guarantee future results.** Total returns and average annual returns reflect changes in share price and reinvestment of dividends and are net of expenses. Investment returns and the principal value of an investment will fluctuate. When shares are redeemed they may be worth more or less than their original cost. Current performance may be lower or higher than the performance data presented. Visit www.gabelli.com for performance information as of the most recent month end. **Investors should carefully consider the investment objectives, risks, charges, and expenses of the Fund before investing. The prospectus contains information about this and other matters and should be read before investing.** Dividends are considered reinvested. Investing in foreign securities involves risks not ordinarily associated with investments in domestic issues, including currency fluctuation, economic, and political risks. The Class AAA Shares' net asset values ("NAV") per share are used to calculate performance for the periods prior to the issuance of Class A Shares, Class B Shares, and Class C Shares on March 12, 2000, August 16, 2000, and November 23, 2001, and January 11, 2008, respectively. The actual performance for the Class B Shares and Class C Shares would have been lower for the periods starting prior to August 16, 2000 and November 23, 2001, respectively, due to the additional expenses associated with these classes of shares. The actual performance of the Class I Shares would have been higher due to lower expenses related to this class of shares. Returns would have been lower had the Adviser not reimbursed certain expenses of the Fund.

(b) Performance is calculated from inception of Class AAA Shares on May 11, 1998.

(c) Performance results include the effect of the maximum 5.75% sales charge at the beginning of the period.

(d) Assuming payment of the maximum contingent deferred sales charge (CDSC). The maximum CDSC for Class B Shares is 5% and is reduced to 0% after six years.

(e) Assuming payment of the maximum CDSC. A CDSC of 1% is imposed on redemptions made within one year of purchase.

We have separated the portfolio managers' commentary from the financial statements and investment portfolio due to corporate governance regulations stipulated by the Sarbanes-Oxley Act of 2002. We have done this to ensure that the content of the portfolio managers' commentary is unrestricted. The financial statements and investment portfolio are mailed separately from the commentary. Both the commentary and the financial statements, including the portfolio of investments, will be available on our website at www.gabelli.com/funds.

GAMCO Global Series Funds, Inc.
The GAMCO Global Opportunity Fund

One Corporate Center
Rye, New York 10580-1422

800-GABELLI

800-422-3554

fax: 914-921-5118

website: www.gabelli.com

e-mail: info@gabelli.com

Net Asset Value per share available daily by calling
800-GABELLI after 7:00 P.M.

GAMCO

Board of Directors

Mario J. Gabelli, CFA
*Chairman and Chief
Executive Officer
GAMCO Investors, Inc.*

John D. Gabelli
*Senior Vice President
Gabelli & Company, Inc.*

E. Val Cerutti
*Chief Executive Officer
Cerutti Consultants, Inc.*

Werner J. Roeder, MD
*Medical Director
Lawrence Hospital*

Anthony J. Colavita
*President
Anthony J. Colavita, P.C.*

Anthonie C. van Ekris
*Chairman
BALMAC International, Inc.*

Arthur V. Ferrara
*Former Chairman and
Chief Executive Officer
Guardian Life Insurance
Company of America*

Salvatore J. Zizza
*Chairman
Zizza & Co., Ltd.*

Officers

Bruce N. Alpert
President and Secretary

Peter D. Goldstein
Chief Compliance Officer

Agnes Mullady
Treasurer

Distributor

Gabelli & Company, Inc.

Custodian, Transfer Agent, and Dividend Agent

State Street Bank and Trust Company

Legal Counsel

Skadden, Arps, Slate, Meagher & Flom LLP



**The
GAMCO
Global
Opportunity
Fund**

Morningstar® rated The GAMCO Global Opportunity Class AAA Shares 4 stars overall and 4 stars for the three and five year periods and 3 stars for the ten year period ended December 31, 2010 among 628, 628, 493, and 261 World Stock funds, respectively.

This report is submitted for the general information of the shareholders of The GAMCO Global Opportunity Fund. It is not authorized for distribution to prospective investors unless preceded or accompanied by an effective prospectus.

GAB403Q410SC

**SHAREHOLDER COMMENTARY
DECEMBER 31, 2010**

The GAMCO Global Opportunity Fund

Annual Report – December 31, 2010



Morningstar® rated The GAMCO Global Opportunity Class AAA Shares 4 stars overall and 4 stars for the three and five year periods and 3 stars for the ten year period ended December 31, 2010 among 628, 628, 493, and 261 World Stock funds, respectively.



Caesar Bryan

To Our Shareholders,

The Sarbanes-Oxley Act requires a fund's principal executive and financial officers to certify the entire contents of the semi-annual and annual shareholder reports in a filing with the Securities and Exchange Commission ("SEC") on Form N-CSR. This certification would cover the portfolio manager's commentary and subjective opinions if they are attached to or a part of the financial statements. Many of these comments and opinions would be difficult or impossible to certify.

Because we do not want our portfolio managers to eliminate their opinions and/or restrict their commentary to historical facts, we have separated their commentary from the financial statements and investment portfolio and have sent it to you separately. Both the commentary and the financial statements, including the portfolio of investments, will be available on our website at www.gabelli.com/funds.

Enclosed are the audited financial statements including the investment portfolio as of December 31, 2010 with a description of factors that affected the performance during the past year.

Performance Discussion (Unaudited)

The GAMCO Global Opportunity Fund's (the "Fund") (Class AAA) net asset value ("NAV") per share rose 18.4% in 2010, compared with the Morgan Stanley Capital International ("MSCI") All Country ("AC") World Free Index of 12.7%.

With gross domestic product of around \$15 trillion, the U.S. economy continues to dwarf all other single countries. The second and third largest economies are China and Japan, each with GDP of about \$5 trillion. The European Union, ("EU"), which presently consists of twenty-seven nations and nearly 500 million people, has a GDP approximately the same size as the U.S. Bear in mind that 9% growth in China contributes \$450 billion to incremental global GDP growth, about the same contribution to growth as would be generated by either the U.S. or EU if they grew at a 3.0% rate.

Morningstar Rating™ is based on risk-adjusted returns. The Overall Morningstar Rating is derived from a weighted average of the performance figures associated with a fund's three, five, and ten year (if applicable) Morningstar Rating metrics. For funds with at least a three year history, a Morningstar Rating is based on a risk-adjusted return measure (including the effects of sales charges, loads, and redemption fees) placing more emphasis on downward variations and rewarding consistent performance. That accounts for variations in a fund's monthly performance. The top 10% of funds in each category receive 5 stars, the next 22.5% 4 stars, the next 35% 3 stars, the next 22.5% 2 stars, and the bottom 10% 1 star. (Each share class is counted as a fraction of one fund within this scale and rated separately, which may cause slight variations in the distribution percentages.) Morningstar Rating is for the AAA Share class only; other classes may have different performance characteristics. Ratings reflect relative performance. Results for certain periods were negative. ©2010 Morningstar, Inc. All Rights Reserved. The information contained herein: (1) is proprietary to Morningstar and/or its content providers; (2) may not be copied or distributed; and (3) is not warranted to be accurate, complete or timely. Neither Morningstar nor its content providers are responsible for any damages or losses arising from any use of this information.

MSCI data (all returns in dollars) shows 19 of 24 major national indices advanced in the fourth quarter. The U.S. (+10.8%) ranked in the top quartile during the quarter as the sixth best performer. Countries posting better performance than the U.S. were Canada (+12.2%), Japan (+12.1%), Norway (+11.8%), Austria (+11.7%), and New Zealand (+11.4%). Countries posting worse performance than the U.S. were Greece (-10.2%), Spain (-8.7%), Belgium (-3.6%), Italy (-2.4%), Portugal (-0.7%), France (+1.7%), the Netherlands (+1.9%), Israel (+4.6%), Hong Kong (+4.8), Finland (+5.9%), the United Kingdom (+6.0%), Ireland (+6.4%), Singapore (+6.8%), Denmark (+7.1%), Sweden (+7.4%), Switzerland (+7.5%), Germany (+9.5%), and Australia (+9.8%). In emerging markets, 15 of 21 countries recorded positive performance in the fourth quarter. Of the four largest emerging markets, Russia (+16.5%) posted the best quarterly performance, followed by Brazil (+2.6%), India (+2.0%), and China (+0.7%).

A selected holding that contributed positively to the Fund's performance in 2010 was the Fund's largest holding, Antofagasta plc (6.5% of net assets as of December 31, 2010). Antofagasta is a Chilean based copper mining company with interests in transport and water distribution. Other selected holdings that contributed positively to the Fund's performance were Gold Fields Ltd. (5.1%) and Compagnie Financiere Richemont (4.3%). Some of the Fund's weaker performing stocks during the year were Roche Holdings (2.1%), a Swiss based pharmaceuticals and diagnostics company, L-3 Communications Holdings Inc. (1.5%), and Petroleo Brasileiro (1.4%).

We appreciate your confidence and trust.

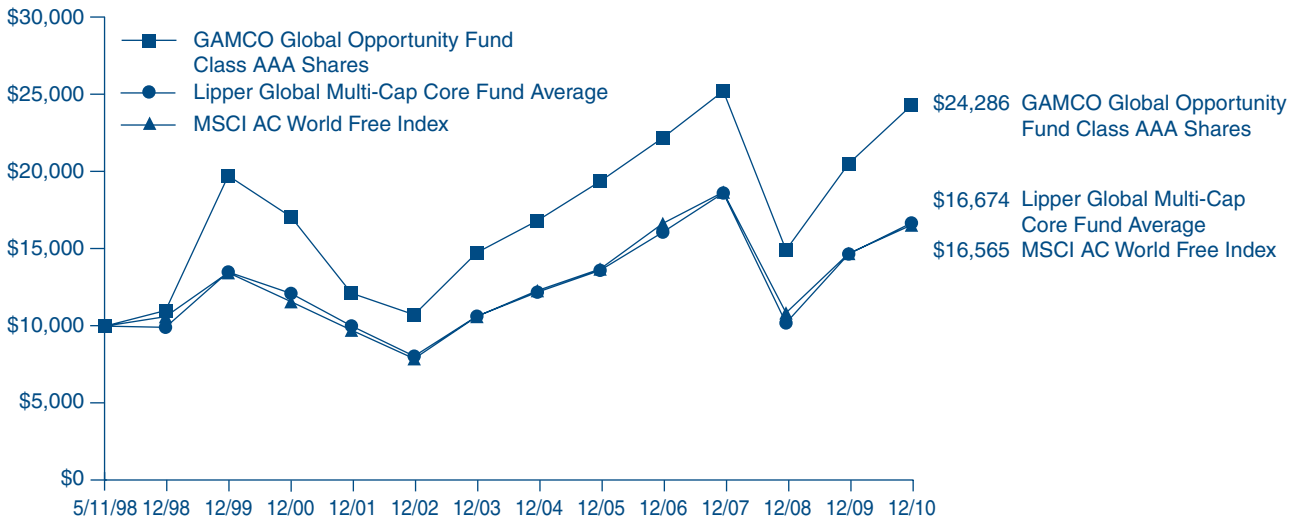
Sincerely yours,



Bruce N. Alpert
President

February 24, 2011

COMPARISON OF CHANGE IN VALUE OF A \$10,000 INVESTMENT IN THE GAMCO GLOBAL OPPORTUNITY FUND CLASS AAA SHARES, THE LIPPER GLOBAL MULTI-CAP CORE FUND AVERAGE, AND THE MSCI AC WORLD FREE INDEX (Unaudited)



Past performance is not predictive of future results. The performance tables and graph do not reflect the deduction of taxes that a shareholder would pay on fund distributions or the redemption of fund shares.

Comparative Results

Average Annual Returns through December 31, 2010 (a) (Unaudited)

	<u>Quarter</u>	<u>1 Year</u>	<u>3 Year</u>	<u>5 Year</u>	<u>10 Year</u>	<u>Since Inception (5/11/98)</u>
GAMCO Global Opportunity Fund Class AAA . . .	14.31%	18.39%	(1.23)%	4.63%	3.59%	7.27%
MSCI AC World Free Index	8.73	12.67	(4.29)	3.44	3.20	N/A
Lipper Global Large-Cap Core Fund Average	9.50	11.00	(3.91)	3.43	1.88	3.31
Lipper Global Multi-Cap Core Fund Average	9.51	13.70	(1.94)	3.86	4.76	4.57
Class A	14.36	18.39	(1.24)	4.64	3.61	7.28
With sales charge (b)	7.79	11.58	(3.17)	3.40	3.00	6.78
Class B	14.10	17.49	(1.98)	3.84	2.83	6.64
With contingent deferred sales charge (c)	9.10	12.49	(2.97)	3.50	2.83	6.64
Class C	14.12	17.52	(1.98)	3.81	3.22	6.97
With contingent deferred sales charge (d)	13.12	16.52	(1.98)	3.81	3.22	6.97
Class I	14.41	18.70	(0.96)	4.80	3.67	7.34

In the current prospectus, the gross expense ratios for Class AAA, A, B, C, and I Shares are 2.72%, 2.72%, 3.47%, 3.47%, and 2.47%, respectively. The net expense ratios in the current prospectus for these share classes are 2.05%, 2.05%, 2.80%, 2.80%, and 1.80%, respectively. See page 10 for expense ratios for the year ended December 31, 2010. Class AAA and Class I Shares do not have a sales charge. The maximum sales charge for Class A, B, and C Shares is 5.75%, 5.00%, and 1.00%, respectively.

- (a) ***Returns represent past performance and do not guarantee future results.*** Total returns and average annual returns reflect changes in share price and reinvestment of distributions and are net of expenses. Investment returns and the principal value of an investment will fluctuate. When shares are redeemed, they may be worth more or less than their original cost. Current performance may be lower or higher than the performance data presented. Performance returns for periods of less than one year are not annualized. Visit www.gabelli.com for performance information as of the most recent month end. ***Investors should carefully consider the investment objectives, risks, charges, and expenses of the Fund before investing. The prospectus contains information about this and other matters and should be read carefully before investing.*** The Class AAA Shares NAVs per share are used to calculate performance for the periods prior to the issuance of Class A Shares, Class B Shares, Class C Shares, and Class I Shares on March 12, 2000, August 16, 2000, November 23, 2001, and January 11, 2008, respectively. The actual performance of the Class B Shares and Class C Shares would have been lower for the periods starting prior to August 16, 2000 and November 23, 2001, respectively, due to the additional expenses associated with these classes of shares. The actual performance of the Class I Shares would have been higher due to lower expenses related to this class of shares. Returns would have been lower had the Adviser not reimbursed certain expenses of the Fund. The Morgan Stanley Capital International ("MSCI") All Country ("AC") World Free Index is an unmanaged indicator of stock market performance, while the Lipper Global Large-Cap Core Fund Average and the Lipper Global Multi-Cap Core Fund Average reflect the average performance of mutual funds classified in those particular categories. Dividends are considered reinvested. You cannot invest directly in an index.
- (b) *Performance results include the effect of the maximum 5.75% sales charge at the beginning of the period.*
- (c) *Assuming payment of the maximum contingent deferred sales charge (CDSC). The maximum CDSC for Class B Shares is 5% and is reduced to 0% after six years.*
- (d) *Assuming payment of the maximum CDSC. A CDSC of 1% is imposed on redemptions made within one year of purchase.*

The GAMCO Global Opportunity Fund

Disclosure of Fund Expenses (Unaudited)

For the Six Month Period from July 1, 2010 through December 31, 2010

Expense Table

We believe it is important for you to understand the impact of fees and expenses regarding your investment. All mutual funds have operating expenses. As a shareholder of a fund, you incur ongoing costs, which include costs for portfolio management, administrative services, and shareholder reports (like this one), among others. Operating expenses, which are deducted from a fund's gross income, directly reduce the investment return of a fund. When a fund's expenses are expressed as a percentage of its average net assets, this figure is known as the expense ratio. The following examples are intended to help you understand the ongoing costs (in dollars) of investing in your Fund and to compare these costs with those of other mutual funds. The examples are based on an investment of \$1,000 made at the beginning of the period shown and held for the entire period.

The Expense Table below illustrates your Fund's costs in two ways:

Actual Fund Return: This section provides information about actual account values and actual expenses. You may use this section to help you to estimate the actual expenses that you paid over the period after any fee waivers and expense reimbursements. The "Ending Account Value" shown is derived from the Fund's **actual** return during the past six months, and the "Expenses Paid During Period" shows the dollar amount that would have been paid by an investor who started with \$1,000 in the Fund. You may use this information, together with the amount you invested, to estimate the expenses that you paid over the period.

To do so, simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number given for your Fund under the heading "Expenses Paid During Period" to estimate the expenses you paid during this period.

Hypothetical 5% Return: This section provides information about hypothetical account values and hypothetical expenses based on the Fund's actual expense ratio. It assumes a hypothetical annualized return of 5% before expenses during the period shown. In this case – because the hypothetical return used is **not** the Fund's actual return – the results do not apply to your investment and you cannot use the hypothetical account value and expense to estimate the actual ending account balance or expenses you paid for the period. This example is useful in making comparisons of the ongoing costs of investing in the Fund and other funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in shareholder reports of other funds.

Please note that the expenses shown in the table are meant to highlight your ongoing costs only and do not reflect any transactional costs such as sales charges (loads), redemption fees, or exchange fees, if any, which are described in the Prospectus. If these costs were applied to your account, your costs would be higher. Therefore, the 5% hypothetical return is useful in comparing ongoing costs only, and will not help you determine the relative total costs of owning different funds. The "Annualized Expense Ratio" represents the actual expenses for the last six months and may be different from the expense ratio in the Financial Highlights which is for the year ended December 31, 2010.

	Beginning Account Value 07/01/10	Ending Account Value 12/31/10	Annualized Expense Ratio	Expenses Paid During Period*
The GAMCO Global Opportunity Fund				
Actual Fund Return				
Class AAA	\$1,000.00	\$1,338.60	2.01%	\$11.85
Class A	\$1,000.00	\$1,339.10	2.01%	\$11.85
Class B	\$1,000.00	\$1,334.10	2.76%	\$16.24
Class C	\$1,000.00	\$1,334.30	2.76%	\$16.24
Class I	\$1,000.00	\$1,340.40	1.76%	\$10.38
Hypothetical 5% Return				
Class AAA	\$1,000.00	\$1,015.07	2.01%	\$10.21
Class A	\$1,000.00	\$1,015.07	2.01%	\$10.21
Class B	\$1,000.00	\$1,011.29	2.76%	\$13.99
Class C	\$1,000.00	\$1,011.29	2.76%	\$13.99
Class I	\$1,000.00	\$1,016.33	1.76%	\$ 8.94

* Expenses are equal to the Fund's annualized expense ratio for the last six months multiplied by the average account value over the period, multiplied by the number of days in the most recent fiscal half year (184 days), then divided by 365.

Summary of Portfolio Holdings (Unaudited)

The following table presents portfolio holdings as a percent of total net assets as of December 31, 2010:

The GAMCO Global Opportunity Fund

Materials	20.2%	Information Technology	7.6%
Consumer Staples	17.0%	Financial Services	7.4%
Industrials	13.8%	Telecommunication Services	2.4%
Energy	13.1%	Utilities	1.4%
Consumer Discretionary	8.8%	Other Assets and Liabilities (Net)	(0.1)%
Health Care	8.4%		<u>100.0%</u>

The Fund files a complete schedule of portfolio holdings with the SEC for the first and third quarters of each fiscal year on Form N-Q, the last of which was filed for the quarter ended September 30, 2010. Shareholders may obtain this information at www.gabelli.com or by calling the Fund at 800-GABELLI (800-422-3554). The Fund's Form N-Q is available on the SEC's website at www.sec.gov and may also be reviewed and copied at the SEC's Public Reference Room in Washington, DC. Information on the operation of the Public Reference Room may be obtained by calling 1-800-SEC-0330.

Proxy Voting

The Fund files Form N-PX with its complete proxy voting record for the twelve months ended June 30th, no later than August 31st of each year. A description of the Fund's proxy voting policies, procedures, and how the Fund voted proxies relating to portfolio securities is available without charge, upon request, by (i) calling 800-GABELLI (800-422-3554); (ii) writing to The Gabelli Funds at One Corporate Center, Rye, NY 10580-1422; or (iii) visiting the SEC's website at www.sec.gov.

The GAMCO Global Opportunity Fund

Schedule of Investments — December 31, 2010

Shares	Cost	Market Value	Shares	Cost	Market Value
COMMON STOCKS — 100.1%			ENERGY — 13.1%		
MATERIALS — 20.2%			ENERGY — 13.1%		
1,200	Agnico-Eagle Mines Ltd. \$ 74,720	\$ 92,040	5,000	Galp Energia SGPS SA, Cl. B \$ 120,938	\$ 95,813
36,000	Antofagasta plc 43,075	904,771	4,000	Imperial Oil Ltd. 134,921	163,251
3,000	BHP Billiton Ltd. 126,333	138,845	3,500	Peabody Energy Corp. 169,179	223,930
5,304	CRH plc, Dublin 60,636	109,852	5,000	Petroleo Brasileiro SA, ADR 37,788	189,200
70	CRH plc, London 767	1,473	8,000	Saipem SpA 168,665	393,837
39,000	Gold Fields Ltd., ADR 169,121	707,070	6,200	Schlumberger Ltd. 205,349	517,700
3,000	Impala Platinum Holdings Ltd. 115,739	106,092	6,000	Suncor Energy Inc. 101,766	229,740
2,500	Monsanto Co. 174,388	174,100	TOTAL ENERGY	938,606	1,813,471
2,000	Newcrest Mining Ltd. 60,284	82,724	CONSUMER DISCRETIONARY — 8.8%		
1,830	Rio Tinto plc 77,490	128,006	6,000	Cablevision Systems Corp., Cl. A 45,978	203,040
400	Syngenta AG 114,992	117,005	3,000	Christian Dior SA 180,347	428,554
10,000	Xstrata plc 231,303	234,721	10,000	Compagnie Financiere Richemont SA, Cl. A 117,773	588,235
TOTAL MATERIALS	1,248,848	2,796,699	TOTAL CONSUMER DISCRETIONARY	344,098	1,219,829
CONSUMER STAPLES — 17.0%			HEALTH CARE — 8.4%		
10,113	British American Tobacco plc 304,112	388,422	2,000	Cochlear Ltd. 76,509	164,487
7,000	Constellation Brands Inc., Cl. A† 108,808	155,050	4,400	Novartis AG 174,161	258,588
1,300	Danone 77,722	81,683	2,000	Roche Holding AG, Genusschein 160,735	293,048
7,000	Diageo plc 97,896	129,326	3,000	St. Jude Medical Inc.† 115,598	128,250
2,280	Dr Pepper Snapple Group Inc. 54,395	80,165	1,250	Synthes Inc. 136,798	168,850
7,000	General Mills Inc. 173,603	249,130	2,200	Takeda Pharmaceutical Co. Ltd. 138,172	108,252
5,000	Heineken Holding NV 233,715	217,317	1,200	TSUMURA & Co. 36,484	38,857
3,000	Mead Johnson Nutrition Co. 129,424	186,750	TOTAL HEALTH CARE	838,457	1,160,332
3,060	Pernod-Ricard SA 260,032	287,709	INFORMATION TECHNOLOGY — 7.6%		
2,500	Philip Morris International Inc. 87,133	146,325	2,000	Canon Inc. 103,501	103,707
4,500	Sara Lee Corp. 58,320	78,795	800	Google Inc., Cl. A† 272,473	475,176
4,000	The Procter & Gamble Co. 221,128	257,320	2,800	Hoya Corp. 75,713	68,008
2,750	Wesfarmers Ltd. 79,950	90,006	500	Keyence Corp. 102,612	144,845
TOTAL CONSUMER STAPLES	1,886,238	2,347,998	9,000	Microsoft Corp. 236,625	251,280
INDUSTRIALS — 13.8%			TOTAL INFORMATION TECHNOLOGY	790,924	1,043,016
16,000	China Merchants Holdings (International) Co. Ltd. 53,313	63,195	FINANCIAL SERVICES — 7.4%		
4,500	CNH Global NV† 129,912	214,830	5,000	Cheung Kong (Holdings) Ltd. 63,610	77,128
1,000	FANUC CORP. 101,606	153,590	16,000	Hongkong Land Holdings Ltd. 62,764	115,520
4,300	Jardine Matheson Holdings Ltd. 137,142	189,200	5,000	Julius Baer Group Ltd. 141,951	234,225
3,600	Komatsu Ltd. 76,536	108,944	10,000	Kinnevik Investment AB, Cl. B 230,284	203,698
3,000	L-3 Communications Holdings Inc. 127,721	211,470	8,000	Schroders plc 149,449	231,369
2,500	Lockheed Martin Corp. 61,439	174,775	10,000	Swire Pacific Ltd., Cl. A 112,741	164,420
4,000	Mitsui & Co. Ltd. 86,284	66,067	TOTAL FINANCIAL SERVICES	760,799	1,026,360
4,000	Precision Castparts Corp. 59,300	556,840			
1,000	SMC Corp. 124,202	171,327			
TOTAL INDUSTRIALS	957,455	1,910,238			

See accompanying notes to financial statements.

The GAMCO Global Opportunity Fund

Statement of Assets and Liabilities December 31, 2010

Assets:	
Investments, at value (cost \$8,202,440)	\$ 13,844,454
Cash	12,945
Receivable for Fund shares issued	1,085
Dividends receivable	19,795
Prepaid expenses	19,681
Total Assets	<u>13,897,960</u>
Liabilities:	
Payable for investment advisory fees	3,830
Payable for distribution fees	2,890
Payable for legal and audit fees	26,662
Payable for shareholder communications expenses	12,758
Payable for custodian fees	6,176
Payable for shareholder services fees	4,758
Other accrued expenses	7,767
Total Liabilities	<u>64,841</u>
Net Assets (applicable to 706,775 shares outstanding)	<u>\$ 13,833,119</u>
Net Assets Consist of:	
Paid-in capital	\$ 11,948,896
Accumulated net investment loss	(1,160)
Accumulated net realized loss on investments and foreign currency transactions	(3,758,123)
Net unrealized appreciation on investments	5,642,014
Net unrealized appreciation on foreign currency translations	1,492
Net Assets	<u>\$ 13,833,119</u>
Shares of Capital Stock each at \$0.001 par value:	
Class AAA:	
Net Asset Value, offering, and redemption price per share (\$13,262,977 ÷ 677,641 shares outstanding; 75,000,000 shares authorized)	<u>\$19.57</u>
Class A:	
Net Asset Value and redemption price per share (\$166,054 ÷ 8,513 shares outstanding; 50,000,000 shares authorized)	<u>\$19.51</u>
Maximum offering price per share (NAV ÷ 0.9425, based on maximum sales charge of 5.75% of the offering price)	<u>\$20.70</u>
Class B:	
Net Asset Value and offering price per share (\$1,848 ÷ 99.3 shares outstanding; 25,000,000 shares authorized)	<u>\$18.61 (a)</u>
Class C:	
Net Asset Value and offering price per share (\$16,199 ÷ 838.6 shares outstanding; 25,000,000 shares authorized)	<u>\$19.32 (a)</u>
Class I:	
Net Asset Value, offering, and redemption price per share (\$386,041 ÷ 19,683 shares outstanding; 25,000,000 shares authorized)	<u>\$19.61</u>

(a) Redemption price varies based on the length of time held.

Statement of Operations For the Year Ended December 31, 2010

Investment Income:	
Dividends (net of foreign withholding taxes of \$6,118)	\$ 242,412
Interest	9
Total Investment Income	<u>242,421</u>
Expenses:	
Investment advisory fees	130,111
Distribution fees – Class AAA	31,276
Distribution fees – Class A	406
Distribution fees – Class B	17
Distribution fees – Class C	106
Custodian fees	34,072
Registration expenses	29,377
Legal and audit fees	27,506
Shareholder communications expenses	26,585
Shareholder services fees	21,380
Directors' fees	1,978
Interest expense	1,100
Miscellaneous expenses	41,363
Total Expenses	<u>345,277</u>
Less:	
Expenses reimbursed by Adviser (See Note 3)	(84,674)
Custodian fee credits	(4)
Total Reimbursements and Credits	<u>(84,678)</u>
Net Expenses	<u>260,599</u>
Net Investment Loss	<u>(18,178)</u>
Net Realized and Unrealized Gain on Investments, and Foreign Currency:	
Net realized gain on investments	804,006
Net realized gain on foreign currency transactions	543
Net realized gain on investments and foreign currency transactions	<u>804,549</u>
Net change in unrealized appreciation:	
on investments	1,432,561
on foreign currency translations	142
Net change in unrealized appreciation on investments and foreign currency translations	<u>1,432,703</u>
Net Realized and Unrealized Gain on Investments and Foreign Currency	<u>2,237,252</u>
Net Increase in Net Assets Resulting from Operations	<u>\$ 2,219,074</u>

See accompanying notes to financial statements.

The GAMCO Global Opportunity Fund

Statement of Changes in Net Assets

	<u>Year Ended</u> <u>December 31, 2010</u>	<u>Year Ended</u> <u>December 31, 2009</u>
Operations:		
Net investment income/(loss)	\$ (18,178)	\$ 20,089
Net realized gain/(loss) on investments and foreign currency transactions	804,549	(78,212)
Net change in unrealized appreciation on investments and foreign currency translations	<u>1,432,703</u>	<u>3,886,143</u>
Net Increase in Net Assets Resulting from Operations	<u>2,219,074</u>	<u>3,828,020</u>
Distributions to Shareholders:		
Net investment income		
Class AAA	—	(168,297)
Class A	—	(2,166)
Class B	—	(12)
Class C	—	(125)
Class I	<u>—</u>	<u>(4,708)</u>
	<u>—</u>	<u>(175,308)</u>
Return of capital		
Class AAA	—	(1,494)
Class A	—	(19)
Class B	—	(1)
Class C	—	(2)
Class I	<u>—</u>	<u>(41)</u>
	<u>—</u>	<u>(1,557)</u>
Total Distributions to Shareholders	<u>—</u>	<u>(176,865)</u>
Capital Share Transactions:		
Class AAA	(2,154,210)	(2,027,972)
Class A	(23,788)	6,891
Class B	(727)	(1,277)
Class C	3,986	8,834
Class I	<u>235</u>	<u>(211,295)</u>
Net Decrease in Net Assets from Capital Share Transactions	<u>(2,174,504)</u>	<u>(2,224,819)</u>
Redemption Fees	<u>5</u>	<u>86</u>
Net Increase in Net Assets	44,575	1,426,422
Net Assets:		
Beginning of period	<u>13,788,544</u>	<u>12,362,122</u>
End of period (including undistributed net investment income of \$0 and \$0, respectively)	<u>\$13,833,119</u>	<u>\$13,788,544</u>

See accompanying notes to financial statements.

The GAMCO Global Opportunity Fund

Financial Highlights

Selected data for a share of capital stock outstanding throughout each period:

Period Ended December 31	Income (Loss) from Investment Operations					Distributions			Ratios to Average Net Assets/Supplemental Data						
	Net Asset Value Beginning of Period	Net Investment Income (Loss)(a)	Net Realized and Unrealized Gain (Loss) on Investments	Total from Investment Operations	Net Investment Income	Return of Capital	Total Distributions	Redemption Fees(a)	Net Asset Value End of Period	Total Return†	Net Assets End of Period (in 000's)	Net Investment Income (Loss)	Operating Expenses Before Reimbursement(b)	Operating Expenses Net of Reimbursement(c)	Portfolio Turnover Rate
Class AAA															
2010	\$16.53	\$(0.02)	\$ 3.06	\$ 3.04	—	—	\$0.00(d)	\$19.57	18.4%	\$13,263	(0.15)%	2.66%	2.01%	5%	
2009	12.18	0.02	4.54	4.56	\$(0.21)	\$(0.21)	0.00(d)	16.53	37.4	13,280	0.16	2.72	2.05	8	
2008	20.59	0.14	(8.54)	(8.40)	(0.01)	(0.01)	0.00(d)	12.18	(40.8)	11,843	0.83	2.25	2.01	14	
2007	18.22	0.17	2.31	2.48	0.00(d)	0.00(d)	0.00(d)	20.59	13.6	22,507	0.84	2.03	2.03	20	
2006	15.91	(0.08)	2.39	2.31	(0.00)(d)	(0.00)(d)	0.00(d)	18.22	14.5	23,426	(0.44)	2.02	2.02	15	
Class A															
2010	\$16.48	\$(0.00)(d)	\$ 3.03	\$ 3.03	—	—	\$0.00(d)	\$19.51	18.4%	\$ 166	(0.03)%	2.66%	2.01%	5%	
2009	12.14	0.01	4.54	4.55	\$(0.21)	\$(0.21)	0.00(d)	16.48	37.5	171	0.11	2.72	2.05	8	
2008	20.54	0.12	(8.51)	(8.39)	(0.01)	(0.01)	0.00(d)	12.14	(40.8)	120	0.69	2.25	2.01	14	
2007	18.17	0.18	2.31	2.49	0.00(d)	0.00(d)	0.00(d)	20.54	13.7	233	0.91	2.03	2.03	20	
2006	15.87	(0.08)	2.39	2.31	(0.01)	(0.01)	0.00(d)	18.17	14.5	220	(0.45)	2.02	2.02	15	
Class B															
2010	\$15.84	\$(0.16)	\$ 2.93	\$ 2.77	—	—	\$0.00(d)	\$18.61	17.5%	\$ 2	(0.99)%	3.41%	2.76%	5%	
2009	11.67	(0.06)	4.31	4.25	\$(0.08)	\$(0.08)	0.00(d)	15.84	36.4	2	(0.50)	3.47	2.80	8	
2008	19.86	0.01	(8.20)	(8.19)	—	—	—	11.67	(41.2)	3	0.05	3.00	2.76	14	
2007	17.61	(0.08)	2.33	2.25	—	—	0.00(d)	19.86	12.8	6	(0.45)	2.78	2.78	20	
2006	15.49	(0.19)	2.31	2.12	—	—	0.00(d)	17.61	13.7	25	(1.14)	2.77	2.77	15	
Class C															
2010	\$16.44	\$(0.16)	\$ 3.04	\$ 2.88	—	—	\$0.00(d)	\$19.32	17.5%	\$ 16	(0.95)%	3.41%	2.76%	5%	
2009	12.20	(0.23)	4.67	4.44	\$(0.20)	\$(0.20)	0.00(d)	16.44	36.4	10	(1.49)	3.47	2.80	8	
2008	20.77	(0.00)(d)	(8.57)	(8.57)	—	—	—	12.20	(41.3)	1	(0.01)	3.00	2.76	14	
2007	18.45	0.03	2.29	2.32	—	—	0.00(d)	20.77	12.6	4	0.14	2.78	2.78	20	
2006	16.22	(0.21)	2.44	2.23	—	—	0.00(d)	18.45	13.8	4	(1.20)	2.77	2.77	15	
Class I															
2010	\$16.52	\$ 0.02	\$ 3.07	\$ 3.09	—	—	\$0.00(d)	\$19.61	18.7%	\$ 386	0.09%	2.41%	1.76%	5%	
2009	12.17	0.06	4.54	4.60	\$(0.25)	\$(0.25)	0.00(d)	16.52	37.8	326	0.45	2.47	1.80	8	
2008(e)	19.75	0.22	(7.74)	(7.52)	(0.06)	(0.06)	0.00(d)	12.17	(38.1)	395	1.41(f)	2.00(f)	1.76(f)	14	

† Total return represents aggregate total return of a hypothetical \$1,000 investment at the beginning of the period and sold at the end of the period including reinvestment of distributions and does not reflect applicable sales charges. Total return for a period of less than one year is not annualized.

- (a) Per share amounts have been calculated using the average shares outstanding method.
- (b) Under an expense deferral agreement with the Adviser, the Fund repaid the Adviser \$15,233 during 2007 and \$14,200 during 2006, representing previously reimbursed expenses from the Adviser. During the years ended December 31, 2007 and 2006, had such payments not been made, the expense ratios would have been 1.96% and 1.95% (Class AAA), 1.96% and 1.95% (Class A), 2.71% and 2.70% (Class B), and 2.71% and 2.70% (Class C), respectively.
- (c) The Fund incurred interest expense during the years ended December 31, 2010, 2009, 2008, 2007, and 2006. If interest expense had not been incurred, the ratios of operating expenses to average net assets would have been 2.00%, 2.04%, 2.00%, and 2.00% (Class AAA and Class A), 2.75%, 2.79%, 2.75%, and 2.75% (Class B and Class C), and 1.75%, 1.79% and 1.75% (Class I), respectively. The Fund also incurred tax expense during the year ended December 31, 2009. If tax expense had not been incurred, the ratios of operating expenses to average net assets would have been 2.01% (Class AAA, and Class A), 2.76% (Class B, and Class C), and 1.76% (Class I), respectively.
- (d) Amount represents less than \$0.005 per share.
- (e) From the commencement of offering Class I Shares on January 11, 2008 through December 31, 2008.
- (f) Annualized.

See accompanying notes to financial statements.

The GAMCO Global Opportunity Fund

Notes to Financial Statements

1. Organization. The GAMCO Global Opportunity Fund (the “Fund”), a series of GAMCO Global Series Funds, Inc. (the “Corporation”), was organized on July 16, 1993 as a Maryland corporation. The Fund is a non-diversified open-end management investment company registered under the Investment Company Act of 1940, as amended (the “1940 Act”), and one of four separately managed portfolios (collectively, the “Portfolios”) of the Corporation. The Fund’s primary objective is capital appreciation. The Fund commenced investment operations on May 11, 1998.

2. Significant Accounting Policies. The Fund’s financial statements are prepared in accordance with U.S. generally accepted accounting principles (“GAAP”), which may require the use of management estimates and assumptions. Actual results could differ from those estimates. The following is a summary of significant accounting policies followed by the Fund in the preparation of its financial statements.

Security Valuation. Portfolio securities listed or traded on a nationally recognized securities exchange or traded in the U.S. over-the-counter market for which market quotations are readily available are valued at the last quoted sale price or a market’s official closing price as of the close of business on the day the securities are being valued. If there were no sales that day, the security is valued at the average of the closing bid and asked prices or, if there were no asked prices quoted on that day, then the security is valued at the closing bid price on that day. If no bid or asked prices are quoted on such day, the security is valued at the most recently available price or, if the Board of Directors (the “Board”) so determines, by such other method as the Board shall determine in good faith to reflect its fair market value. Portfolio securities traded on more than one national securities exchange or market are valued according to the broadest and most representative market, as determined by Gabelli Funds, LLC (the “Adviser”).

Portfolio securities primarily traded on a foreign market are generally valued at the preceding closing values of such securities on the relevant market, but may be fair valued pursuant to procedures established by the Board if market conditions change significantly after the close of the foreign market but prior to the close of business on the day the securities are being valued. Debt instruments with remaining maturities of sixty days or less that are not credit impaired are valued at amortized cost, unless the Board determines such amount does not reflect the securities’ fair value, in which case these securities will be fair valued as determined by the Board. Debt instruments having a maturity greater than sixty days for which market quotations are readily available are valued at the average of the latest bid and asked prices. If there were no asked prices quoted on such day, the security is valued using the closing bid price. U.S. government obligations with maturities greater than sixty days are normally valued using a model that incorporates market observable data such as reported sales of similar securities, broker quotes, yields, bids, offers, and reference data. Certain securities are valued principally using dealer quotations.

Securities and assets for which market quotations are not readily available are fair valued as determined by the Board. Fair valuation methodologies and procedures may include, but are not limited to: analysis and review of available financial and non-financial information about the company; comparisons with the valuation and changes in valuation of similar securities, including a comparison of foreign securities with the equivalent U.S. dollar value ADR securities at the close of the U.S. exchange; and evaluation of any other information that could be indicative of the value of the security.

The GAMCO Global Opportunity Fund

Notes to Financial Statements (Continued)

The Fund employs a fair value model to adjust prices to reflect events affecting the values of certain portfolio securities that occur between the close of trading on the principal market for such securities (foreign exchanges and over-the-counter markets) at the time at which net asset values of the Fund is determined. If the Fund's valuation committee believes that a particular event would materially affect net asset value, further adjustment is considered.

The inputs and valuation techniques used to measure fair value of the Fund's investments are summarized into three levels as described in the hierarchy below:

- Level 1 – quoted prices in active markets for identical securities;
- Level 2 – other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.); and
- Level 3 – significant unobservable inputs (including the Fund's determinations as to the fair value of investments).

A financial instrument's level within the fair value hierarchy is based on the lowest level of any input both individually and in aggregate that is significant to the fair value measurement. The inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities. The summary of the Fund's investments in securities by inputs used to value the Fund's investments as of December 31, 2010 is as follows:

	<u>Valuation Inputs</u>	
	<u>Level 1 Quoted Prices</u>	<u>Total Market Value at 12/31/10</u>
INVESTMENTS IN SECURITIES:		
ASSETS (Market Value):		
Common Stocks:		
Materials	\$ 2,796,699	\$ 2,796,699
Consumer Staples	2,347,998	2,347,998
Industrials	1,910,238	1,910,238
Energy	1,813,471	1,813,471
Consumer Discretionary	1,219,829	1,219,829
Health Care	1,160,332	1,160,332
Information Technology	1,043,016	1,043,016
Financial Services	1,026,360	1,026,360
Telecommunication Services	331,351	331,351
Utilities	195,160	195,160
Total Common Stocks	13,844,454	13,844,454
TOTAL INVESTMENTS IN SECURITIES – ASSETS	\$13,844,454	\$13,844,454

At December 31, 2009, the market value of Level 2 securities was \$6,823,088 or 48.9% of total investments. Foreign common stock was listed in Level 2 securities due to fair value procedures applied resulting from volatility in U.S. markets after the close of the foreign markets. The fair value procedures due to U.S. market volatility was not applied on December 31, 2010, resulting in a transfer of the foreign common stock to Level 1 securities. This transfer amounted to \$6,002,763 or 43.4% of total investments.

There were no Level 3 investments held at December 31, 2010 or December 31, 2009.

The GAMCO Global Opportunity Fund

Notes to Financial Statements (Continued)

In January 2010, the Financial Accounting Standards Board (“FASB”) issued amended guidance to improve disclosure about fair value measurements which requires additional disclosures about transfers between Levels 1 and 2 and separate disclosures about purchases, sales, issuances, and settlements in the reconciliation of fair value measurements using significant unobservable inputs (Level 3). FASB also clarified existing disclosure requirements relating to the levels of disaggregation of fair value measurement and inputs and valuation techniques used to measure fair value. The amended guidance is effective for financial statements for fiscal years beginning after December 15, 2009 and interim periods within those fiscal years. Management has adopted the amended guidance and determined that there was no material impact to the Fund’s financial statements except for additional disclosures made in the notes. Disclosures about purchases, sales, issuances, and settlements in the rollforward of activity in Level 3 fair value measurements are effective for fiscal years beginning after December 15, 2010 and for interim periods within those fiscal years. Management is currently evaluating the impact of the additional disclosure requirements on the Fund’s financial statements.

Derivative Financial Instruments. The Fund may engage in various portfolio investment strategies by investing in a number of derivative financial instruments for the purpose of hedging against a specific transaction with respect to either the currency in which the transaction is denominated or another currency. Investing in certain derivative financial instruments, including participation in the options, futures, or swap markets, entails certain execution, liquidity, hedging, tax, and securities, interest, credit, or currency market risks. Losses may arise if the Adviser’s prediction of movements in the direction of the securities, foreign currency, and interest rate markets is inaccurate. Losses may also arise if the counterparty does not perform its duties under a contract, or that, in the event of default, the Fund may be delayed in or prevented from obtaining payments or other contractual remedies owed to it under derivative contracts. The creditworthiness of the counterparties is closely monitored in order to minimize these risks. Participation in derivative transactions involves investment risks, transaction costs, and potential losses to which the Fund would not be subject absent the use of these strategies. The consequences of these risks, transaction costs, and losses may have a negative impact on the Fund’s ability to pay distributions.

The Fund’s derivative contracts held at December 31, 2010, if any, are not accounted for as hedging instruments under GAAP.

Forward Foreign Exchange Contracts. The Fund may engage in forward foreign exchange contracts for the purpose of hedging a specific transaction with respect to either the currency in which the transaction is denominated or another currency as deemed appropriate by the Adviser. Forward foreign exchange contracts are valued at the forward rate and are marked-to-market daily. The change in market value is included in unrealized appreciation/depreciation on investments and foreign currency translations. When the contract is closed, the Fund records a realized gain or loss equal to the difference between the value of the contract at the time it was opened and the value at the time it was closed.

The use of forward foreign exchange contracts does not eliminate fluctuations in the underlying prices of the Fund’s portfolio securities, but it does establish a rate of exchange that can be achieved in the future. Although forward foreign exchange contracts limit the risk of loss due to a decline in the value of the hedged currency, they also limit any potential gain that might result should the value of the currency increase. In addition, the Fund could be exposed to risks if the counterparties to the contracts are unable to meet the terms of their contracts. During the year ended December 31, 2010, the Fund held no investments in forward foreign exchange contracts.

The GAMCO Global Opportunity Fund

Notes to Financial Statements (Continued)

Repurchase Agreements. The Fund may enter into repurchase agreements with primary government securities dealers recognized by the Federal Reserve Board, with member banks of the Federal Reserve System, or with other brokers or dealers that meet credit guidelines established by the Adviser and reviewed by the Board. Under the terms of a typical repurchase agreement, the Fund takes possession of an underlying debt obligation subject to an obligation of the seller to repurchase, and the Fund to resell, the obligation at an agreed-upon price and time, thereby determining the yield during the Fund's holding period. It is the policy of the Fund to receive and maintain securities as collateral whose market value is not less than their repurchase price. The Fund will make payment for such securities only upon physical delivery or upon evidence of book entry transfer of the collateral to the account of the custodian. To the extent that any repurchase transaction exceeds one business day, the value of the collateral is marked-to-market on a daily basis to maintain the adequacy of the collateral. If the seller defaults and the value of the collateral declines or if bankruptcy proceedings are commenced with respect to the seller of the security, realization of the collateral by the Fund may be delayed or limited. At December 31, 2010, the Fund held no investments in repurchase agreements.

Securities Sold Short. The Fund may enter into short sale transactions. Short selling involves selling securities that may or may not be owned and, at times, borrowing the same securities for delivery to the purchaser, with an obligation to replace such borrowed securities at a later date. The proceeds received from short sales are recorded as liabilities and the Fund records an unrealized gain or loss to the extent of the difference between the proceeds received and the value of an open short position on the day of determination. The Fund records a realized gain or loss when the short position is closed out. By entering into a short sale, the Fund bears the market risk of an unfavorable change in the price of the security sold short. Dividends on short sales are recorded as an expense by the Fund on the ex-dividend date and interest expense is recorded on the accrual basis. The broker retains collateral for the value of the open positions, which is adjusted periodically as the value of the position fluctuates. At December 31, 2010, there were no short sales outstanding.

Foreign Currency Translations. The books and records of the Fund are maintained in U.S. dollars. Foreign currencies, investments, and other assets and liabilities are translated into U.S. dollars at the current exchange rates. Purchases and sales of investment securities, income, and expenses are translated at the exchange rate prevailing on the respective dates of such transactions. Unrealized gains and losses that result from changes in foreign exchange rates and/or changes in market prices of securities have been included in unrealized appreciation/depreciation on investments and foreign currency translations. Net realized foreign currency gains and losses resulting from changes in exchange rates include foreign currency gains and losses between trade date and settlement date on investment securities transactions, foreign currency transactions, and the difference between the amounts of interest and dividends recorded on the books of the Fund and the amounts actually received. The portion of foreign currency gains and losses related to fluctuation in exchange rates between the initial purchase trade date and subsequent sale trade date is included in realized gain/loss on investments.

Foreign Securities. The Fund may directly purchase securities of foreign issuers. Investing in securities of foreign issuers involves special risks not typically associated with investing in securities of U.S. issuers. The risks include possible revaluation of currencies, the inability to repatriate funds, less complete financial information about companies, and possible future adverse political and economic developments. Moreover, securities of many foreign issuers and their markets may be less liquid and their prices more volatile than those of securities of comparable U.S. issuers.

The GAMCO Global Opportunity Fund

Notes to Financial Statements (Continued)

Foreign Taxes. The Fund may be subject to foreign taxes on income, gains on investments, or currency repatriation, a portion of which may be recoverable. The Fund will accrue such taxes and recoveries as applicable, based upon its current interpretation of tax rules and regulations that exist in the markets in which it invests.

Securities Transactions and Investment Income. Securities transactions are accounted for on the trade date with realized gain or loss on investments determined by using the identified cost method. Interest income (including amortization of premium and accretion of discount) is recorded on the accrual basis. Premiums and discounts on debt securities are amortized using the effective yield to maturity method. Dividend income is recorded on the ex-dividend date, except for certain dividends from foreign securities that are recorded as soon after the ex-dividend date as the Fund becomes aware of such dividends.

Determination of Net Asset Value and Calculation of Expenses. Certain administrative expenses are common to, and allocated among, various affiliated funds. Such allocations are made on the basis of each fund's average net assets or other criteria directly affecting the expenses as determined by the Adviser pursuant to procedures established by the Board.

In calculating the net asset value ("NAV") per share of each class, investment income, realized and unrealized gains and losses, redemption fees, and expenses other than class specific expenses are allocated daily to each class of shares based upon the proportion of net assets of each class at the beginning of each day. Distribution expenses are borne solely by the class incurring the expense.

Custodian Fee Credits and Interest Expense. When cash balances are maintained in the custody account, the Fund receives credits which are used to offset custodian fees. The gross expenses paid under the custody arrangement are included in custodian fees in the Statement of Operations with the corresponding expense offset, if any, shown as "Custodian fee credits." When cash balances are overdrawn, the Fund is charged an overdraft fee equal to 2.00% above the federal funds rate on outstanding balances. This amount, if any, would be included in "interest expense" in the Statement of Operations.

Distributions to Shareholders. Distributions to shareholders are recorded on the ex-dividend date. Distributions to shareholders are based on income and capital gains as determined in accordance with federal income tax regulations, which may differ from income and capital gains as determined under GAAP. These differences are primarily due to differing treatments of income and gains on various investment securities and foreign currency transactions held by the Fund, timing differences, and differing characterizations of distributions made by the Fund. Distributions from net investment income for federal income tax purposes include net realized gains on foreign currency transactions. These book/tax differences are either temporary or permanent in nature. To the extent these differences are permanent, adjustments are made to the appropriate capital accounts in the period when the differences arise. Permanent differences were primarily due to the tax treatment of currency gains and losses and a write-off of the current year net operating loss. These reclassifications have no impact on the NAV of the Fund. For the year ended December 31, 2010, reclassifications were made to decrease accumulated net investment loss by \$18,179 and increase accumulated net realized loss on investments and foreign currency transactions by \$543, with an offsetting adjustment to additional paid-in capital.

No distributions were made during the year ended December 31, 2010.

The GAMCO Global Opportunity Fund

Notes to Financial Statements (Continued)

The tax character of distributions paid during the year ended December 31, 2009 was as follows:

	<u>Year Ended</u> <u>December 31, 2009</u>
Distributions paid from:	
Ordinary income	\$175,308
Return of capital	1,557
Total distributions paid	<u>\$176,865</u>

Provision for Income Taxes. The Fund intends to continue to qualify as a regulated investment company under Subchapter M of the Internal Revenue Code of 1986, as amended (the “Code”). It is the policy of the Fund to comply with the requirements of the Code applicable to regulated investment companies and to distribute substantially all of its net investment company taxable income and net capital gains. Therefore, no provision for federal income taxes is required.

At December 31, 2010, the components of accumulated earnings/losses on a tax basis were as follows:

Accumulated capital loss carryforwards	\$(3,758,096)
Net unrealized appreciation on investments and foreign currency translations	<u>5,642,319</u>
Total	<u>\$ 1,884,223</u>

At December 31, 2010, the Fund had net capital loss carryforwards for federal income tax purposes of \$3,758,096 which are available to reduce future required distributions of net capital gains to shareholders. \$1,288,891 of the loss carryforward is available through 2011; \$1,201,151 is available through 2012; \$1,170,048 is available through 2016; and \$98,006 is available through 2017.

During the year ended December 31, 2010, the Fund utilized capital loss carryforwards of \$803,989.

At December 31, 2010, the temporary difference between book basis and tax basis net unrealized appreciation on investments was primarily due to deferral of losses from wash sales for tax purposes and mark-to-market adjustments on investments in passive foreign investment companies.

The following summarizes the tax cost of investments and the related net unrealized appreciation at December 31, 2010:

	<u>Cost</u>	<u>Gross</u> <u>Unrealized</u> <u>Appreciation</u>	<u>Gross</u> <u>Unrealized</u> <u>Depreciation</u>	<u>Net Unrealized</u> <u>Appreciation</u>
Investments	\$8,203,627	\$5,795,169	\$(154,342)	\$5,640,827

The Fund is required to evaluate tax positions taken or expected to be taken in the course of preparing the Fund’s tax returns to determine whether the tax positions are “more-likely-than-not” of being sustained by the applicable tax authority. Income tax and related interest and penalties would be recognized by the Fund as tax expense in the Statement of Operations if the tax positions were deemed not to meet the more-likely-than-not threshold. For the year ended December 31, 2010, the Fund did not incur any income tax, interest, or penalties. As of December 31, 2010, the Adviser has reviewed all open tax years and concluded that there was no impact to the Fund’s net assets or results of operations. Tax years ended December 31, 2007 through December 31,

The GAMCO Global Opportunity Fund

Notes to Financial Statements (Continued)

2010 remain subject to examination by the Internal Revenue Service and state taxing authorities. On an ongoing basis, the Adviser will monitor the Fund's tax positions to determine if adjustments to this conclusion are necessary.

3. Investment Advisory Agreement and Other Transactions. The Fund has entered into an investment advisory agreement (the "Advisory Agreement") with the Adviser which provides that the Fund will pay the Adviser a fee, computed daily and paid monthly, at the annual rate of 1.00% of the value of its average daily net assets. In accordance with the Advisory Agreement, the Adviser provides a continuous investment program for the Fund's portfolio, oversees the administration of all aspects of the Fund's business and affairs, and pays the compensation of all Officers and Directors of the Fund who are affiliated persons of the Adviser.

The Adviser has contractually agreed to waive its investment advisory fee and/or to reimburse expenses of the Fund to the extent necessary to maintain the annualized total operating expenses of the Fund (excluding brokerage, acquired fund fees and expenses, interest, taxes, and extraordinary expenses) until at least May 1, 2011, at no more than 2.00%, 2.00%, 2.75%, 2.75%, and 1.75% of the value of the Fund's average daily net assets for Class AAA, Class A, Class B, Class C, and Class I, respectively. For the year ended December 31, 2010, the Adviser reimbursed the Fund in the amount of \$84,674. In addition, the Fund has agreed, during the two year period following any waiver or reimbursement by the Adviser, to repay such amount to the extent, that after giving the effect to the repayment, such adjusted annualized total operating expenses of the Fund would not exceed 2.00%, 2.00%, 2.75%, 2.75%, and 1.75% of the value of the Fund's average daily net assets for Class AAA, Class A, Class B, Class C, and Class I, respectively. The agreements are renewable annually. At December 31, 2010, the cumulative amount which the Fund may repay the Adviser is \$167,084.

For the year ended December 31, 2009, expiring December 31, 2011	\$ 82,410
For the year ended December 31, 2010, expiring December 31, 2012	<u>84,674</u>
	<u>\$167,084</u>

If total net assets of the Corporation are in excess of \$100 million, the Corporation pays each Director who is not considered to be an affiliated person an annual retainer of \$3,000 plus \$500 for each Board meeting attended and each Director is reimbursed by the Corporation for any out of pocket expenses incurred in attending meetings. If total net assets of the Corporation are below \$100 million, the Corporation pays each Independent Director an annual retainer of \$1,500 plus \$500 for each Board meeting attended and each Director is reimbursed by the Corporation for any out of pocket expenses incurred in attending meetings. All Board committee members receive \$500 per meeting attended and the Chairman of the Audit Committee and the Lead Director each receive an annual fee of \$1,000. A Director may receive a single meeting fee, allocated among the participating funds, for participation in certain meetings held on behalf of multiple funds. Directors who are directors or employees of the Adviser or an affiliated company receive no compensation or expense reimbursement from the Corporation.

The GAMCO Global Opportunity Fund

Notes to Financial Statements (Continued)

4. Distribution Plan. The Fund's Board has adopted a distribution plan (the "Plan") for each class of shares, except for Class I Shares, pursuant to Rule 12b-1 under the 1940 Act. Gabelli & Company, Inc. ("Gabelli & Co."), an affiliate of the Adviser, serves as Distributor of the Fund. Under the Class AAA, Class A, Class B, and Class C Share Plans, payments are authorized to Gabelli & Co. at annual rates of 0.25%, 0.25%, 1.00%, and 1.00%, respectively, of the average daily net assets of those classes, the annual limitations under each Plan. Such payments are accrued daily and paid monthly.

5. Portfolio Securities. Purchases and sales of securities for the year ended December 31, 2010, other than short-term securities and U.S. Government obligations, aggregated \$619,621 and \$2,895,441, respectively.

6. Transactions with Affiliates. During the year ended December 31, 2010, the Fund paid brokerage commissions on security trades of \$460 to Gabelli & Co. Additionally, Gabelli & Co. informed the Fund that it retained \$419 from investors representing commissions (sales charges and underwriting fees) on sales and redemptions of Fund shares.

The cost of calculating the Fund's NAV per share is a Fund expense pursuant to the Advisory Agreement between the Fund and the Adviser. The Adviser did not seek a reimbursement during the year ended December 31, 2010.

7. Line of Credit. The Fund participates in an unsecured line of credit of up to \$75,000,000 under which it may borrow up to 10% of its net assets from the custodian for temporary borrowing purposes. Borrowings under this arrangement bear interest at the higher of the sum of the overnight LIBOR plus 125 basis points or the sum of the federal funds rate plus 125 basis points at the time of borrowing. This amount, if any, would be included in "interest expense" in the Statement of Operations. At December 31, 2010, there were no borrowings outstanding under the line of credit.

The average daily amount of borrowings outstanding under the line of credit during the year ended December 31, 2010 was \$69,984 with a weighted average interest rate of 1.42%. The maximum amount borrowed at any time during the year ended December 31, 2010 was \$488,000.

8. Capital Stock. The Fund offers five classes of shares – Class AAA Shares, Class A Shares, Class B Shares, Class C Shares, and Class I Shares. Class AAA Shares are offered without a sales charge only to investors who acquire them directly from Gabelli & Co., through selected broker/dealers, or the transfer agent. Class I Shares are offered through Gabelli & Co. and selected broker/dealers to foundations, endowments, institutions, and employee benefit plans without a sales charge. Class A Shares are subject to a maximum front-end sales charge of 5.75%. Class B Shares are subject to a contingent deferred sales charge ("CDSC") upon redemption within six years of purchase and automatically convert to Class A Shares approximately eight years after the original purchase. The applicable Class B CDSC is equal to a percentage declining from 5% of the lesser of the NAV per share at the date of the original purchase or at the date of redemption, based on the length of time held. Class C Shares are subject to a 1.00% CDSC for one year after purchase. Class B Shares are available only through exchange of Class B Shares of other funds distributed by Gabelli & Co.

The GAMCO Global Opportunity Fund

Notes to Financial Statements (Continued)

The Fund imposes a redemption fee of 2.00% on all classes of shares that are redeemed or exchanged on or before the seventh day after the date of a purchase. The redemption fee is deducted from the proceeds otherwise payable to the redeeming shareholders and is retained by the Fund as an increase in paid-in capital. The redemption fees retained by the Fund during the years ended December 31, 2010 and December 31, 2009 amounted to \$5 and \$86, respectively. The redemption fee does not apply to redemptions of shares where (i) the shares were purchased through automatic reinvestment of distributions, (ii) the redemption was initiated by the Fund, (iii) the shares were purchased through programs that collect the redemption fee at the program level and remit them to the Fund, or (iv) the shares were purchased through programs that the Adviser determines to have appropriate anti-short-term trading policies in place or as to which the Adviser has received assurances that look-through redemption fee procedures or effective anti-short-term trading policies and procedures are in place.

Transactions in shares of capital stock were as follows:

	Year Ended December 31, 2010		Year Ended December 31, 2009	
	Shares	Amount	Shares	Amount
Class AAA				
Shares sold	32,736	\$ 561,316	49,778	\$ 722,814
Shares issued upon reinvestment of distributions	—	—	9,516	158,056
Shares redeemed	(158,464)	(2,715,526)	(228,300)	(2,908,842)
Net decrease	<u>(125,728)</u>	<u>\$(2,154,210)</u>	<u>(169,006)</u>	<u>\$(2,027,972)</u>
Class A				
Shares sold	3,355	\$ 56,732	1,729	\$ 25,686
Shares issued upon reinvestment of distributions	—	—	129	2,139
Shares redeemed	(5,183)	(80,520)	(1,444)	(20,934)
Net increase/(decrease)	<u>(1,828)</u>	<u>\$(23,788)</u>	<u>414</u>	<u>\$ 6,891</u>
Class B				
Shares issued upon reinvestment of distributions	—	—	1	\$ 12
Shares redeemed	(48)	\$(727)	(100)	(1,289)
Net decrease	<u>(48)</u>	<u>\$(727)</u>	<u>(99)</u>	<u>\$(1,277)</u>
Class C				
Shares sold	213	\$ 3,986	539	\$ 8,710
Shares issued upon reinvestment of distributions	—	—	7	124
Net increase	<u>213</u>	<u>\$ 3,986</u>	<u>546</u>	<u>\$ 8,834</u>
Class I				
Shares sold	2,089	\$ 34,066	7,884	\$ 109,626
Shares issued upon reinvestment of distributions	—	—	258	4,283
Shares redeemed	(2,095)	(33,831)	(20,926)	(325,204)
Net increase/(decrease)	<u>(6)</u>	<u>\$ 235</u>	<u>(12,784)</u>	<u>\$(211,295)</u>

The GAMCO Global Opportunity Fund

Notes to Financial Statements (Continued)

9. Indemnifications. The Fund enters into contracts that contain a variety of indemnifications. The Fund's maximum exposure under these arrangements is unknown. However, the Fund has not had prior claims or losses pursuant to these contracts. Management has reviewed the Fund's existing contracts and expects the risk of loss to be remote.

10. Other Matters. On April 24, 2008, the Adviser entered into a settlement with the SEC to resolve an inquiry regarding prior frequent trading activity in shares of the GAMCO Global Growth Fund (the "Global Growth Fund") by one investor who was banned from the Global Growth Fund in August 2002. In the administrative settlement order, the SEC found that the Adviser had willfully violated Section 206(2) of the 1940 Act, Section 17(d) of the 1940 Act and Rule 17d-1 thereunder, and had willfully aided and abetted and caused violations of Section 12(d)(1)(B)(i) of the 1940 Act. Under the terms of the settlement, the Adviser, while neither admitting nor denying the SEC's findings and allegations, paid \$16 million (which included a \$5 million civil monetary penalty), approximately \$12.8 million of which is in the process of being paid to shareholders of the Global Growth Fund in accordance with a plan developed by an independent distribution consultant and approved by the independent directors of the Global Growth Fund and acceptable to the staff of the SEC, and agreed to cease and desist from future violations of the above referenced federal securities laws and rule. The SEC order also noted the cooperation that the Adviser had given the staff of the SEC during its inquiry. The settlement did not have a material adverse impact on the Adviser or its ability to fulfill its obligations under the Advisory Agreement. On the same day, the SEC filed a civil action against the Executive Vice President and Chief Operating Officer of the Adviser, alleging violations of certain federal securities laws arising from the same matter. The officer is also an officer of the Fund, the Global Growth Fund, and other funds in the Gabelli/GAMCO fund complex. The officer denied the allegations and is continuing in his positions with the Adviser and the funds. The court dismissed certain claims and found that the SEC was not entitled to pursue various remedies against the officer while leaving one remedy in the event the SEC were able to prove violations of law. The court subsequently dismissed without prejudice the remaining remedy against the officer, which would allow the SEC to appeal the court's rulings. On October 29, 2010 the SEC filed its appeal with the U.S. Court of Appeals for the Second Circuit regarding the lower court's orders. The Adviser currently expects that any resolution of the action against the officer will not have a material adverse impact on the Fund or the Adviser or its ability to fulfill its obligations under the Advisory Agreement.

11. Subsequent Events. Management has evaluated the impact on the Fund of all subsequent events occurring through the date the financial statements were issued and has determined that there were no subsequent events requiring recognition or disclosure in the financial statements.

The GAMCO Global Opportunity Fund

Report of Independent Registered Public Accounting Firm

To the Shareholders and Board of Directors of
GAMCO Global Series Funds, Inc.

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of The GAMCO Global Opportunity Fund (the "Fund"), a series of GAMCO Global Series Funds, Inc., as of December 31, 2010, and the related statement of operations for the year then ended, the statements of changes in net assets for each of the two years in the period then ended, and the financial highlights for each of the five years in the period then ended. These financial statements and financial highlights are the responsibility of the Fund's management. Our responsibility is to express an opinion on these financial statements and financial highlights based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements and financial highlights are free of material misstatement. We were not engaged to perform an audit of the Fund's internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Fund's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements and financial highlights, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. Our procedures included confirmation of securities owned as of December 31, 2010, by correspondence with the Fund's custodian. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements and financial highlights referred to above present fairly, in all material respects, the financial position of The GAMCO Global Opportunity Fund, a series of GAMCO Global Series Funds, Inc., at December 31, 2010, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period then ended, and the financial highlights for each of the five years in the period then ended, in conformity with U.S. generally accepted accounting principles.

Philadelphia, Pennsylvania
February 28, 2011

Ernst + Young LLP

The GAMCO Global Opportunity Fund

Board Consideration and Re-Approval of Investment Advisory Agreement (Unaudited)

During the six months ended December 31, 2010, the Board of Directors of the Corporation approved the continuation of the investment advisory agreement with the Adviser for the Fund on the basis of the recommendation by the directors (the “Independent Board Members”) who are not “interested persons” of the Fund. The following paragraphs summarize the material information and factors considered by the Independent Board Members as well as their conclusions relative to such factors.

Nature, Extent, and Quality of Services. The Independent Board Members considered information regarding the Fund’s portfolio managers, the depth of the analyst pool available to the Adviser and the portfolio managers, the scope of supervisory, administrative, shareholder, and other services supervised or provided by the Adviser and the absence of significant service problems reported to the Board. The Independent Board Members noted the experience, length of service, and reputation of the Fund’s portfolio managers.

Investment Performance. The Independent Board Members reviewed the short and medium-term performance of the Fund against a peer group of global multi-cap core funds, noting the Fund’s top quintile performance for the one year period, top third performance for the three year period, and second third performance for the five year period.

Profitability. The Independent Board Members reviewed summary data regarding the lack of profitability of the Fund to the Adviser both with and without the expense reimbursement arrangement in effect. The Independent Board Members also noted that an affiliated broker of the Adviser received distribution fees and minor amounts of sales commissions.

Economies of Scale. The Independent Board Members discussed the major elements of the Adviser’s cost structure and the relationship of those elements to potential economies of scale and reviewed rudimentary data relating to the impact of 20% growth in the Fund on the Adviser’s profitability.

Sharing of Economies of Scale. The Independent Board Members noted that the investment management fee schedule for the Fund does not take into account any potential economies of scale that may develop or any losses or diminished profitability to the Adviser in prior years.

Service and Cost Comparisons. The Independent Board Members compared the expense ratios of the investment management fee, other expenses, and total expenses of the Fund with similar expense ratios of the peer group of global multi-cap growth funds and noted that the Adviser’s management fee includes substantially all administrative services of the Fund as well as investment advisory services. The Independent Board Members noted that the Fund’s expense ratios after waivers were moderately higher than and the Fund’s size was significantly lower than average within this group and that the Adviser had been waiving substantial portions of its fees in order to make the Fund a more attractive investment. The Independent Board Members compared the management fee with the fees for other funds managed by the Adviser and considered fees charged by an affiliated adviser for general equity institutional accounts and unregistered funds.

Conclusions. The Independent Board Members concluded that the Fund enjoyed highly experienced portfolio management services, good ancillary services, and an acceptable performance record. The Independent Board Members also concluded that the Fund’s expense ratios were reasonable, particularly in light of the lack of profitability to the Adviser of managing the Fund, and that economies of scale were not a factor in their thinking at this time. The Independent Board Members did not view the potential profitability of ancillary services as material to their decision. On the basis of the foregoing and without assigning particular weight to any single conclusion, the Independent Board Members determined to recommend continuation of the investment management agreement to the full Board of Board Members.

The GAMCO Global Opportunity Fund

Additional Fund Information (Unaudited)

The business and affairs of the Corporation are managed under the direction of the Corporation's Board of Directors. Information pertaining to the Directors and officers of the Company is set forth below. The Fund's Statement of Additional Information includes additional information about the Fund's Directors and is available without charge, upon request, by calling 800-GABELLI (800-422-3554) or by writing to The GAMCO Global Opportunity Fund at One Corporate Center, Rye, NY 10580-1422.

<u>Name, Position(s) Address¹ and Age</u>	<u>Term of Office and Length of Time Served²</u>	<u>Number of Funds in Fund Complex Overseen by Director</u>	<u>Principal Occupation(s) During Past Five Years</u>	<u>Other Directorships Held by Director⁴</u>
INTERESTED DIRECTORS³:				
Mario J. Gabelli Director and Chief Investment Officer Age: 68	Since 1993	26	Chairman and Chief Executive Officer of GAMCO Investors, Inc. and Chief Investment Officer – Value Portfolios of Gabelli Funds, LLC and GAMCO Asset Management Inc.; Director/Trustee or Chief Investment Officer of other registered investment companies in the Gabelli/GAMCO Funds complex; Chief Executive Officer of GGCP, Inc.	Director of Morgan Group Holdings, Inc. (holding company); Chairman of the Board and Chief Executive Officer of LICT Corp. (multimedia and communication services company); Director of CIBL, Inc. (broadcasting and wireless communications)
John D. Gabelli Director Age: 66	Since 1993	10	Senior Vice President of Gabelli & Company, Inc.	—
INDEPENDENT DIRECTORS⁵:				
E. Val Cerutti Director Age: 71	Since 2001	7	Chief Executive Officer of Cerutti Consultants, Inc.	Director of The LGL Group, Inc. (diversified manufacturing) (1990-2009)
Anthony J. Colavita Director Age: 75	Since 1993	34	President of the law firm of Anthony J. Colavita, P.C.	—
Arthur V. Ferrara Director Age: 80	Since 2001	8	Former Chairman of the Board and Chief Executive Officer of The Guardian Life Insurance Company of America (1992-1995)	—
Werner J. Roeder, MD Director Age: 70	Since 1993	22	Medical Director of Lawrence Hospital and practicing private physician	—
Anthonie C. van Ekris Director Age: 76	Since 1993	20	Chairman of BALMAC International, Inc. (commodities and futures trading)	Director of Aurado Energy Inc. (oil and gas operations) through 2005
Salvatore J. Zizza Director Age: 65	Since 2004	28	Chairman and Chief Executive Officer of Zizza & Co., Ltd. (private holding company) and Chief Executive Officer of General Employment Enterprises, Inc.	Director of Harbor BioSciences, Inc. (biotechnology) and Trans-Lux Corporation (business services); Chairman of each of BAM (manufacturing); Metropolitan Paper Recycling (recycling); Bergen Cove Realty Inc. (real estate); Bion Environmental Technologies (technology) (2005-2008); Director of Earl Scheib Inc. (automotive painting) through April 2009

The GAMCO Global Opportunity Fund

Additional Fund Information (Continued) (Unaudited)

<u>Name, Position(s) Address¹ and Age</u>	<u>Term of Office and Length of Time Served²</u>	<u>Principal Occupation(s) During Past Five Years</u>
OFFICERS:		
Bruce N. Alpert President and Secretary Age: 59	Since 2003	Executive Vice President and Chief Operating Officer of Gabelli Funds, LLC since 1988 and an officer of all of the registered investment companies in the Gabelli/GAMCO Funds complex. Director of Teton Advisors, Inc. since 1998; Chairman of Teton Advisors, Inc. 2008 to 2010; President of Teton Advisors, Inc. 1998 through 2008; Senior Vice President of GAMCO Investors, Inc. since 2008
Agnes Mullady Treasurer Age: 52	Since 2006	Senior Vice President of GAMCO Investors, Inc. since 2009; Vice President of Gabelli Funds, LLC since 2007; Officer of all of the registered investment companies in the Gabelli/GAMCO Funds complex
Peter D. Goldstein Chief Compliance Officer Age: 57	Since 2004	Director of Regulatory Affairs at GAMCO Investors, Inc. since 2004; Chief Compliance Officer of all of the registered investment companies in the Gabelli/GAMCO Funds complex

¹ Address: One Corporate Center, Rye, NY 10580-1422, unless otherwise noted.

² Each Director will hold office for an indefinite term until the earliest of (i) the next meeting of shareholders, if any, called for the purpose of considering the election or re-election of such Director and until the election and qualification of his or her successor, if any, elected at such meeting, or (ii) the date a Director resigns or retires, or a Director is removed by the Board of Directors or shareholders, in accordance with the Corporation's By-Laws and Articles of Incorporation. Each officer will hold office for an indefinite term until the date he or she resigns or retires or until his or her successor is elected and qualified.

³ "Interested person" of the Corporation as defined in the 1940 Act. Messrs. Gabelli are each considered an "interested person" because of their affiliation with Gabelli Funds, LLC which acts as the Corporation's investment adviser. Mario J. Gabelli and John D. Gabelli are brothers.

⁴ This column includes only directorships of companies required to report to the SEC under the Securities Exchange Act of 1934, as amended, i.e., public companies, or other investment companies registered under the 1940 Act.

⁵ Directors who are not interested persons are considered "Independent" Directors.

This page was intentionally left blank.

Gabelli/GAMCO Funds and Your Personal Privacy

Who are we?

The Gabelli/GAMCO Funds are investment companies registered with the Securities and Exchange Commission under the Investment Company Act of 1940. We are managed by Gabelli Funds, LLC, which is affiliated with GAMCO Investors, Inc. GAMCO Investors, Inc. is a publicly held company that has subsidiaries that provide investment advisory or brokerage services for a variety of clients.

What kind of non-public information do we collect about you if you become a shareholder?

If you apply to open an account directly with us, you will be giving us some non-public information about yourself. The non-public information we collect about you is:

- *Information you give us on your application form.* This could include your name, address, telephone number, social security number, bank account number, and other information.
- *Information about your transactions with us, any transactions with our affiliates, and transactions with the entities we hire to provide services to you.* This would include information about the shares that you buy or redeem. If we hire someone else to provide services—like a transfer agent—we will also have information about the transactions that you conduct through them.

What information do we disclose and to whom do we disclose it?

We do not disclose any non-public personal information about our customers or former customers to anyone other than our affiliates, our service providers who need to know such information, and as otherwise permitted by law. If you want to find out what the law permits, you can read the privacy rules adopted by the Securities and Exchange Commission. They are in volume 17 of the Code of Federal Regulations, Part 248. The Commission often posts information about its regulations on its website, www.sec.gov.

What do we do to protect your personal information?

We restrict access to non-public personal information about you to the people who need to know that information in order to provide services to you or the Fund and to ensure that we are complying with the laws governing the securities business. We maintain physical, electronic, and procedural safeguards to keep your personal information confidential.

GABELLI FAMILY OF FUNDS

VALUE

Gabelli Asset Fund

Seeks to invest primarily in a diversified portfolio of common stocks selling at significant discounts to their private market value. The Fund's primary objective is growth of capital. (Multiclass)

Team Managed

Gabelli Blue Chip Value Fund

Seeks long term growth of capital through investment primarily in the common stocks of established companies which are temporarily out of favor. The fund's objective is to identify a catalyst or sequence of events that will return the company to a higher value. (Multiclass)

Portfolio Manager: Barbara G. Marcin, CFA

GAMCO Westwood Equity Fund

Seeks to invest primarily in the common stock of well seasoned companies that have recently reported positive earnings surprises and are trading below Westwood's proprietary growth rate estimates. The Fund's primary objective is capital appreciation. (Multiclass)

Portfolio Manager: Susan M. Byrne

FOCUSED VALUE

Gabelli Value Fund

Seeks to invest in securities of companies believed to be undervalued. The Fund's primary objective is long-term capital appreciation. (Multiclass)

Team Managed

SMALL CAP VALUE

Gabelli Small Cap Fund

Seeks to invest primarily in common stock of smaller companies (market capitalizations at the time of investment of \$2 billion or less) believed to have rapid revenue and earnings growth potential. The Fund's primary objective is capital appreciation. (Multiclass)

Portfolio Manager: Mario J. Gabelli, CFA

GAMCO Westwood SmallCap Equity Fund

Seeks to invest primarily in smaller capitalization equity securities – market caps of \$2.5 billion or less. The Fund's primary objective is long-term capital appreciation. (Multiclass)

Portfolio Manager: Nicholas F. Galluccio

Gabelli Woodland Small Cap Value Fund

Seeks to invest primarily in the common stocks of smaller companies (market capitalizations generally less than \$3.0 billion) believed to be undervalued with shareholder oriented management teams that are employing strategies to grow the company's value. The Fund's primary objective is capital appreciation. (Multiclass)

Portfolio Manager: Elizabeth M. Lilly, CFA

GROWTH

GAMCO Growth Fund

Seeks to invest primarily in large cap stocks believed to have favorable, yet undervalued, prospects for earnings growth. The Fund's primary objective is capital appreciation. (Multiclass)

Portfolio Manager: Howard F. Ward, CFA

GAMCO International Growth Fund

Seeks to invest in the equity securities of foreign issuers with long-term capital appreciation potential. The Fund offers investors global diversification. (Multiclass)

Portfolio Manager: Caesar Bryan

AGGRESSIVE GROWTH

GAMCO Global Growth Fund

Seeks capital appreciation through a disciplined investment program focusing on the globalization and interactivity of the world's marketplace. The Fund invests in companies at the forefront of accelerated growth. The Fund's primary objective is capital appreciation. (Multiclass)

Team Managed

MICRO-CAP

GAMCO Westwood Mighty MitesSM Fund

Seeks to invest in micro-cap companies that have market capitalizations of \$300 million or less. The Fund's primary objective is long-term capital appreciation. (Multiclass)

Team Managed

EQUITY INCOME

Gabelli Equity Income Fund

Seeks to invest primarily in equity securities with above average market yields. The Fund pays monthly dividends and seeks a high level of total return with an emphasis on income. (Multiclass)

Portfolio Manager: Mario J. Gabelli, CFA

GAMCO Westwood Balanced Fund

Seeks to invest in a balanced and diversified portfolio of stocks and bonds. The Fund's primary objective is both capital appreciation and current income. (Multiclass)

*Co-Portfolio Managers: Susan M. Byrne
Mark R. Freeman, CFA*

GAMCO Westwood Income Fund

Seeks to provide a high level of current income as well as long-term capital appreciation by investing in income producing equity and fixed income securities. (Multiclass)

Portfolio Manager: Barbara G. Marcin, CFA

SPECIALTY EQUITY

GAMCO Vertumnus Fund (formerly GAMCO Global Convertible Securities Fund)

Seeks to invest principally in bonds and preferred stocks which are convertible into common stock of foreign and domestic companies. The Fund's primary objective is total return through a combination of current income and capital appreciation. (Multiclass)

Portfolio Manager: Mario J. Gabelli, CFA

GAMCO Global Opportunity Fund

Seeks to invest in common stock of companies which have rapid growth in revenues and earnings and potential for above average capital appreciation or are undervalued. The Fund's primary objective is capital appreciation. (Multiclass)

Team Managed

Gabelli SRI Green Fund

Seeks to invest in common and preferred stocks meeting guidelines for social responsibility (avoiding defense contractors and manufacturers of alcohol, abortifacients, gaming, and tobacco products) and sustainability (companies engaged in climate change, energy security and independence, natural resource shortages, organic living, and urbanization). The Fund's primary objective is capital appreciation. (Multiclass)

*Co-Portfolio Managers: Christopher C. Desmarais
John M. Segrich, CFA*

SECTOR

GAMCO Global Telecommunications Fund

Seeks to invest in telecommunications companies throughout the world – targeting undervalued companies with strong earnings and cash flow dynamics. The Fund's primary objective is capital appreciation. (Multiclass)

Team Managed

GAMCO Gold Fund

Seeks to invest in a global portfolio of equity securities of gold mining and related companies. The Fund's objective is long-term capital appreciation. Investment in gold stocks is considered speculative and is affected by a variety of worldwide economic, financial, and political factors. (Multiclass)

Portfolio Manager: Caesar Bryan

Gabelli Utilities Fund

Seeks to provide a high level of total return through a combination of capital appreciation and current income. (Multiclass)

Portfolio Manager: Mario J. Gabelli, CFA

MERGER AND ARBITRAGE

Gabelli ABC Fund

Seeks to invest in securities with attractive opportunities for appreciation or investment income. The Fund's primary objective is total return in various market conditions without excessive risk of capital loss. (No-load)

Portfolio Manager: Mario J. Gabelli, CFA

Gabelli Enterprise Mergers and Acquisitions Fund

Seeks to invest in securities believed to be likely acquisition targets within 12–18 months or in arbitrage transactions of publicly announced mergers or other corporate reorganizations. The Fund's primary objective is capital appreciation. (Multiclass)

Portfolio Manager: Mario J. Gabelli, CFA

CONTRARIAN

GAMCO Mathers Fund

Seeks long-term capital appreciation in various market conditions without excessive risk of capital loss. (No-load)

Portfolio Manager: Henry Van der Eb, CFA

Comstock Capital Value Fund

Seeks capital appreciation and current income. The Fund may use either long or short positions to achieve its objective. (Multiclass)

*Portfolio Managers: Charles L. Minter
Martin Weiner, CFA*

FIXED INCOME

GAMCO Westwood Intermediate Bond Fund

Seeks to invest in a diversified portfolio of bonds with various maturities. The Fund's primary objective is total return. (Multiclass)

Portfolio Manager: Mark R. Freeman, CFA

CASH MANAGEMENT-MONEY MARKET

Gabelli U.S. Treasury Money Market Fund

Seeks to invest exclusively in short-term U.S. Treasury securities. The Fund's primary objective is to provide high current income consistent with the preservation of principal and liquidity. (No-load)

*Co-Portfolio Managers: Judith A. Raneri
Ronald S. Eaker*

An investment in the above Money Market Fund is neither insured nor guaranteed by the Federal Deposit Insurance Corporation or any government agency. Although the Fund seeks to preserve the value of your investment at \$1.00 per share, it is possible to lose money by investing in the Fund.

The Funds may invest in foreign securities which involve risks not ordinarily associated with investments in domestic issues, including currency fluctuation, economic, and political risks.

To receive a prospectus, call 800-GABELLI (422-3554). Investors should carefully consider the investment objectives, risks, charges, and expenses of a fund before investing. The prospectus contains more information about this and other matters and should be read carefully before investing.

GAMCO Global Series Funds, Inc.
The GAMCO Global Opportunity Fund

One Corporate Center
Rye, New York 10580-1422

800-GABELLI

800-422-3554

fax: 914-921-5118

website: www.gabelli.com

e-mail: info@gabelli.com

Net Asset Value per share available daily by calling
800-GABELLI after 7:00 P.M.

GAMCO

Board of Directors

Mario J. Gabelli, CFA
*Chairman and Chief
Executive Officer
GAMCO Investors, Inc.*

John D. Gabelli
*Senior Vice President
Gabelli & Company, Inc.*

E. Val Cerutti
*Chief Executive Officer
Cerutti Consultants, Inc.*

Werner J. Roeder, MD
*Medical Director
Lawrence Hospital*

Anthony J. Colavita
*President
Anthony J. Colavita, P.C.*

Anthonie C. van Ekris
*Chairman
BALMAC International, Inc.*

Arthur V. Ferrara
*Former Chairman and
Chief Executive Officer
Guardian Life Insurance
Company of America*

Salvatore J. Zizza
*Chairman
Zizza & Co., Ltd.*

Officers

Bruce N. Alpert
President and Secretary

Peter D. Goldstein
Chief Compliance Officer

Agnes Mullady
Treasurer

Distributor

Gabelli & Company, Inc.

Custodian, Transfer Agent, and Dividend Agent

State Street Bank and Trust Company

Legal Counsel

Skadden, Arps, Slate, Meagher & Flom LLP



The
GAMCO
Global
Opportunity
Fund

Morningstar® rated The GAMCO Global Opportunity Class AAA Shares 4 stars overall and 4 stars for the three and five year periods and 3 stars for the ten year period ended December 31, 2010 among 628, 628, 493, and 261 World Stock funds, respectively.

This report is submitted for the general information of the shareholders of The GAMCO Global Opportunity Fund. It is not authorized for distribution to prospective investors unless preceded or accompanied by an effective prospectus.

GAB403Q410SR

ANNUAL REPORT
DECEMBER 31, 2010