Calamos Alternatives Snapshot

August 17, 2020 (data as of August 14, 2020 unless indicated)

CALAMOS INVESTMENTS

WEEKLY HEADLINES

Concentration of Stock Ownership Heightens Market Volatility, Study Says

While it's generally recognized that increases in institutional ownership are accompanied by a rise in stock price volatility, a recent paper found that the largest institutional investors have a disproportionate effect on volatility. The top 10 had an average of $169 billion (inflation-adjusted to the end of 2016) in assets in a given quarter and held on average 8.1% of the outstanding shares of a given stock (also see chart below right). This is according to a recent *Financial Times* report on the study by four finance professors.

A review of regulatory filings between 1980 and 2016 led to the finding that stocks with higher ownership by the biggest investors experienced lower returns during periods of market turmoil "because [the investors] engage in massive sales and depress stock prices. Their impact on stock prices is much larger than a collection of small institutions managing the same amount of assets."

At least two of the largest institutions have rejected the conclusion.

Economic Releases vs. Consensus (week of 8/10)

PPI/Core PPI (y/y): -0.4%/0.3% vs. -0.7%/0.0%
CPI/Core CPU (y/y): 1.0%/1.6% vs. 0.8%/1.1%
Retail Sales (m/m): 1.2% vs. 1.9%

Economic Releases (week of 8/17)

Housing Starts (8/18)
Initial Jobless Claims (8/20)
Existing Home Sales (8/21)

MORNINGSTAR WEEKLY EST. NET FLOWS ($MIL)[1]

	Last Week	2 Wks Ago	3 Wks Ago	4 Wks Ago	Weekly Streak
Nontraditional Bond	151	323	11	118	3
Options-based	121	72	72	116	11
Market Neutral	68	88	40	(21)	3
Convertibles	39	58	37	70	20
Commodities Broad	3	205	4	0	3
Multicurrency	1	0	(0)	2	2
Managed Futures	(3)	(10)	(23)	(62)	(5)
Bear Market	(5)	12	10	(7)	(1)
Multialternative	(22)	(55)	(67)	(3)	(6)
Long-Short Credit	(24)	(16)	(7)	3	(3)
Infrastructure	(36)	11	29	(3)	(1)
Energy LPs	(63)	(134)	(42)	(56)	(19)
Long-Short Equity	(75)	31	(42)	(87)	(1)

BROAD INDEX PERFORMANCE[1]

	1 week	MTD	QTD	YTD
S&P 500	0.69	3.20	9.02	5.66
Russell 3000	0.65	3.30	9.17	5.37
Russell 2000	0.59	6.66	9.61	-4.62
Russell 1000	0.66	3.10	9.14	6.07
Russell Mid Cap	0.66	2.72	8.75	-1.18
MSCI EM	0.40	1.40	10.56	-0.13
MSCI ACWI	1.15	3.26	8.77	2.26
MSCI World	1.26	3.53	8.52	2.57
MSCI EAFE	2.47	4.47	6.93	-4.91
ICE BofA Global Cv Index	0.34	1.52	8.07	12.38
ICE BofA All U.S. Cv (VXA0)	0.86	2.70	10.16	18.14
ICE BofA US HY Master II	-0.52	0.05	4.83	-0.18
BBgBarc US Agg Bond	-0.91	-0.80	0.68	6.85
BBgBarc US Govt/Credit	-1.22	-1.12	0.87	8.13

MORNINGSTAR ALTERNATIVE CATEGORIES[1]

	1 week	MTD	QTD	YTD
Energy Limited Partnership	2.47	7.82	7.28	-26.84
Infrastructure	0.67	2.57	6.17	-6.36
Commodities Broad Basket	0.52	2.39	8.14	-12.78
Long-Short Equity	0.36	2.00	5.09	-1.22
Convertibles	0.23	1.72	8.26	15.89
Market Neutral	0.09	0.11	1.03	-2.36
Multicurrency	0.07	-0.02	0.25	-0.33
Options-based	0.05	1.18	3.86	-0.19
Multialternative	-0.11	0.46	2.24	-3.34
Nontraditional Bond	-0.13	0.27	2.18	-0.65
Long-Short Credit	-0.35	0.07	2.20	-0.06
Managed Futures	-1.17	-0.94	0.69	-1.32
Real Estate	-1.36	0.21	4.42	-12.75
Bear Market	-1.55	-5.47	-12.05	-19.93

COMMODITIES[2]

	8.14.20	7.31.20	12.31.19	8.14.19
Gold	1948	1975	1523	1500
Oil	41.9	41.5	61.7	55.2
Gasoline	2.17	2.18	2.57	2.62

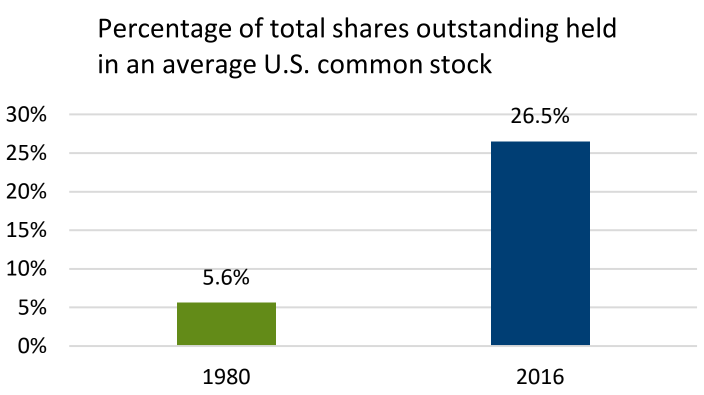
BOND RATES[2]

	8.14.20	7.31.20	12.31.19	8.14.19
Effective Fed Funds Rate	0.10	0.09	1.55	2.12
2-Year Treasury	0.16	0.11	1.58	1.58
10-Year Treasury	0.71	0.55	1.92	1.59
ICE BofAML US Corp. AAA	1.56	1.41	2.55	2.44

MARKET PULSE[1]

MONTH-TO-DATE VALUE	MONTH-TO-DATE CORE	MONTH-TO-DATE GROWTH	As of 8/14/2020	YEAR-TO-DATE VALUE	YEAR-TO-DATE CORE	YEAR-TO-DATE GROWTH
3.71	3.10	2.53	LARGE	-9.72	6.07	21.26
4.34	2.72	-0.17	MID	-10.49	-1.18	12.28
8.38	6.66	5.04	SMALL	-15.38	-4.62	5.32

STOCK OWNERSHIP BY THE LARGEST INSTITUTIONS



Source: The Granular Nature of Large Institutional Investors, Charles A. Dice Center for Research in Financial Economics, June 2020

Definitions and Disclosures

The **Nontraditional Bond** category contains funds that pursue strategies divergent in one or more ways from conventional practice in the broader bond-fund universe. **Multialternative** funds offer investors exposure to several different alternative investment tactics. Funds in this category have a majority of their assets exposed to alternative strategies. **Bear Market** funds dedicate a majority of the fund's assets to equities. Most of the portfolio is dedicated to short stock positions in an attempt to take advantage of anticipated market or stock declines. **Managed Futures** funds primarily trade liquid global futures, options, swaps, and foreign exchange contracts, both listed and over-the-counter. **Commodities Broad-basket portfolios** can invest in a diversified basket of commodity goods including but not limited to grains, minerals, metals, livestock, cotton, oils, sugar, coffee, and cocoa. **Commodities Precious Metals** can invest in precious metals such as gold, silver, platinum, and palladium. **Energy Limited Partnership** strategies invest a significant amount of their portfolio in energy master limited partnerships, also known as MLPs. **Multicurrency** portfolios invest in multiple currencies through the use of short-term money market instruments; derivative instruments including and not limited to forward currency contracts, index swaps, and options; and cash deposits. **Market Neutral** funds attempt to reduce systematic risk created by factors such as exposures to sectors, market-cap ranges, investment styles, currencies, and/or countries. **Real Estate** portfolios invest primarily in real estate investment trusts of various types. REITs are companies that develop and manage real estate properties. **Convertible-bond portfolios** are designed to offer some of the capital-appreciation potential of stock portfolios while also supplying some of the safety and yield of bond portfolios. **Options-based** funds use options are a central component of their investment strategies. **Long-Short Credit** funds seek to profit from changes in the credit conditions of individual bond issuers and credit markets segments represented by credit indexes. **Long-Short Equity** funds hold sizeable stakes in both long and short positions in equities, exchange traded funds, and related derivatives.

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The **S&P 500 Index** is considered generally representative of the U.S. equity market. The **MSCI World Index** is considered generally representative of the market for developed market equities. The **MSCI Emerging Markets Index** is a free float adjusted market capitalization index cited as a measure of the performance of emerging market equities. The **MSCI ACWI Index** is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed and emerging markets. The **MSCI EAFE Index (Europe, Australasia, Far East)** is a free float-adjusted market capitalization index that is designed to measure the equity market performance of developed markets, excluding the US & Canada. The **Russell 3000 Index** measures the performance of 3,000 publicly held US companies based on total market capitalization, which represents approximately 98% of the investable US equity market. The **Russell 2000 Index** measures the performance of the small-cap segment of the U.S. equity universe and includes approximately 2000 of the smallest securities based on a combination of their market cap and current index membership. The **Russell 1000 Index** measures the performance of the large-cap segment of the U.S. equity universe and includes approximately 1000 of the largest securities based on a combination of their market cap and current index membership. The **Russell Midcap Index** measures the performance of the mid-cap segment of the U.S. equity universe and includes approximately 800 of the smallest securities based on a combination of their market cap and current index membership. The **ICE BofA U.S. High Yield Master II Index** tracks the performance of U.S. dollar denominated below investment grade rated corporate debt publically issued in the U.S. domestic market. The **Bloomberg Barclays Capital U.S. Aggregate Bond Index** covers the U.S.-denominated, investment-grade, fixed-rate, taxable bond market of SEC registered securities. The **Bloomberg Barclays U.S. Government/Credit Index** is comprised of long-term government and investment-grade corporate debt securities and is generally considered representative of the performance of the broad U.S. bond market. The **ICE BofA Global 300 Cv Index** (VG00) is a $US/Local-denominated unmanaged index generally indicative of the overall global convertible market. The **ICE BofA All U.S. Convertibles Index (VXA0)** is comprised of approximately 700 issues of only convertible bonds and preferreds of all qualities. Source ICE Data Indices, LLC, used with permission. ICE permits use of the ICE BofA Indices and related data on an 'as is' basis, makes no warranties regarding same, does not guarantee the suitability, quality, accuracy, timeliness, and/or completeness of the ICE BofA Indices or data included in, related to, or derived therefrom, assumes no liability in connection with the use of the foregoing and does not sponsor, endorse or recommend Calamos Advisors LLC or any of its products or services.

Oil - **West Texas Intermediate (WTI - Cushing)**: A crude stream produced in Texas and southern Oklahoma which serves as a reference or "marker" for pricing a number of other crude streams and which is traded in the domestic spot market at Cushing, Oklahoma. **Gasoline**: Weighted average based on sampling of approximately 900 retail outlets, 8:00AM Monday. The price represents self-service unless only full-service is available and includes all taxes. **Gold - Gold Fixings Price:** The Fixings are an open process at which market participants can transact business on the basis of a single quoted price. Orders can be changed throughout the proceedings as the price is moved higher and lower until such time as buyers' and sellers' orders are satisfied and the price is said to be 'fixed'. Orders executed at the fixings are conducted as principal-to-principal transactions between the client and the dealer through whom the order is placed.

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