Calamos Alternatives Snapshot

April 20, 2020 (data as of April 17, 2020 unless indicated)

C L L M M O S

WEEKLY HEADLINES	BROAD INDEX PERFORMAN	CE1				MORN
Do Big Rallies Mean the Dust Has Settled? "Big rallies don't mean that the coast is clearLarge,		1 week	MTD	QTD	YTD	
	S&P 500	3.06	11.32	11.32	-10.49	Energy
sudden market gains can seem good now, but they only	Russell 3000	2.76	11.08	11.08	-12.14	Convert
happen in markets brimming with uncertainty,"	Russell 2000	-1.40	6.64	6.64	-26.00	Options
according to a recent <u>Of Dollars and Data blog post</u> .	Russell 1000	3.02	11.35	11.35	-11.16	Long-Sh
Noting that equity markets have rallied at a speed and	Russell Mid Cap	0.96	11.17	11.17	-18.93	Long-Sh
magnitude unheard of in modern times, the post looked	MSCI EM	1.51	6.33	6.33	-18.73	Nontrad
at similar rallies in the history of the Dow. Since 1915,	MSCI ACWI	2.24	8.66	8.66	-14.44	Manage
the Dow has had eight non-overlapping periods when it	MSCI World	2.33	8.98	8.98	-13.83	Multial
rose by 20% or more within the course of 12 trading sessions, as what's happened this year. The other seven	MSCI EAFE	0.77	4.06	4.06	-19.58	Commo
rallies occurred in the 1930s.	ICE BofA Global Cv Index	2.38	5.18	5.18	-6.37	Market
	ICE BofA All U.S. Cv (VXA0)	3.45	8.40	8.40	-6.37	Multicu
In the one year following a 20%+ rally, the market was up by 15% on average. Even when the rally threshold is lowered to a 15%+ gain over 12 sessions, the sample size increases to just 20, with most occurring in the 1930s.	ICE BofA US HY Master II	2.58	5.36	5.36	-8.46	Commo
	BBgBarc US Agg Bond	0.70	1.54	1.54	4.74	Bear Ma
	BBgBarc US Govt/Credit	1.05	2.05	2.05	5.48	Real Est
Economic Releases vs. Consensus (week of 4/13)	COMMODITIES ²					BOND
Retail Sales (Mar): -8.7% vs8.0%		4.17.20	4.9.20	12.31.19	4.17.19	
Initial Jobless Claims: 5.24M vs 5.11M	Gold	1718	1663	1523	1284	Effectiv
Housing Starts (Mar): 1.22M vs. 1.3M	Oil	22.4	26.2	61.7	64.0	2-Year 1
Economic Releases (week of 4/20)	Gasoline	1.85	1.92	2.57	2.83	10-Year
Existing Home Sales (4/21)						ICE Bof/
Initial Jobless Claims (4/23)	MARKET PULSE ¹				BEA	R MAR

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		MONTH-TO-DATE			As of	YE/	AR-TO-DATE		
		VALUE	CORE GROWTH		4/17/2020	VALUE	VALUE CORE		
4 Wks Ago	Weekly Streak	9.90	11.35	12.52	LARGE	-19.48	-11.16	-3.35	
(266)	2								
(136)	3								
(26)	1	9.84	11.17	12.87	MID	-24.99	-18.93	-9.75	
(3,269)	(7)								
(364)	(1)								
105	(1)	4.44	6.64	8.47	SMALL	-32.80	-26.00	-19.48	
(127)	(11)								
(186)	(6)								
(575)	(5)	Past pe	rformanc	e is not indi	icative of future	results. Th	is materia	l is	

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MORNINGSTAR ALTERNATIVE CATEGORIES ¹							
	1 week	MTD	QTD	YTD			
Energy Limited Partnerships	5.81	17.68	17.68	-42.11			
Convertibles	3.18	7.73	7.73	-5.91			
Options-based	1.15	5.22	5.22	-8.56			
Long-Short Credit	1.00	2.76	2.76	-6.62			
Long-Short Equity	0.73	4.08	4.08	-9.27			
Nontraditional Bond	0.62	2.01	2.01	-5.88			
Managed Futures	0.50	-0.08	-0.08	0.04			
Multialternative	0.40	2.29	2.29	-7.59			
Commodities Precious Metals	0.34	6.96	6.96	2.23			
Market Neutral	0.00	1.12	1.12	-3.18			
Multicurrency	-0.26	0.03	0.03	-1.95			
Commodities Broad Basket	-1.74	1.15	1.15	-23.90			
Bear Market	-2.69	-12.65	-12.65	12.93			
Real Estate	-3.63	7.63	7.63	-20.77			

BOND	RATES

9		4.17.20	4.9.20	12.31.19	4.17.19
	Effective Fed Funds Rate	0.05	0.05	1.55	2.41
	2-Year Treasury	0.20	0.23	1.58	2.41
	10-Year Treasury	0.61	0.73	1.92	2.60
	ICE BofAML US Corp. AAA	1.81	1.93	2.55	3.28

RKET 'HEAD FAKE' RALLIES

"Head fake" represents the biggest rebound during a bear market after which a new bear market low is established.

BEAR MARKET START	BEAR MARKET LOWS	MAXIMUM "HEAD FAKE"
March 10, 1937	-60.00%	62.20%
May 29, 1946	-29.60%	23.90%
August 2, 1956	-21.60%	N/A
December 12, 1961	-28.00%	7.40%
February 9, 1966	-22.20%	7.40%
November 29, 1968	-36.10%	6.10%
January 11, 1973	-48.20%	10.00%
November 28, 1980	-27.10%	11.30%
August 25, 1987	-33.50%	14.90%
March 24, 2000	-49.10%	21.40%
October 9, 2007	-56.80%	24.20%

Source: CNBC, Barclays Research, Bloomberg

Economic Releases	(week	of 4,	/2
Existing Home Sales	(A/21)		

Existing Home Sales (4/2) Initial Jobless Claims (4/2) Durable Goods (4/24)

MORNINGSTAR WEEKLY EST. NET FLOWS (\$MIL) ¹							
	Last	2 Wks	3 Wks	4 Wks	Weekly		
	Week	Ago	Ago	Ago	Streak		
Managed Futures	137	16	(57)	(266)	2		
Convertibles	108	9	43	(136)	3		
Multicurrency	3	(3)	(5)	(26)	1		
Nontraditional Bond	(11)	(591)	(664)	(3,269)	(7)		
Options-based	(12)	70	(247)	(364)	(1)		
Bear Market	(12)	83	(57)	105	(1)		
Long-Short Credit	(18)	(51)	(43)	(127)	(11)		
Real Estate	(46)	(32)	(46)	(186)	(6)		
Market Neutral	(48)	(96)	(97)	(575)	(5)		
Multialternative	(122)	(549)	(442)	(1,071)	(7)		
Long-Short Equity	(125)	(173)	(356)	(544)	(72)		
Commodities Broad	(199)	(124)	(16)	(63)	(6)		
Energy LPs	(334)	(20)	146	53	(2)		



Definitions and Disclosures

The **Nontraditional Bond** category contains funds that pursue strategies divergent in one or more ways from conventional practice in the broader bondfund 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 cocca. **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**. **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** fun

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 gualities. 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.

Calamos is the #1 manager of assets in the Alternatives category, as ranked by AUM (Morningstar, 3/31/2020).

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