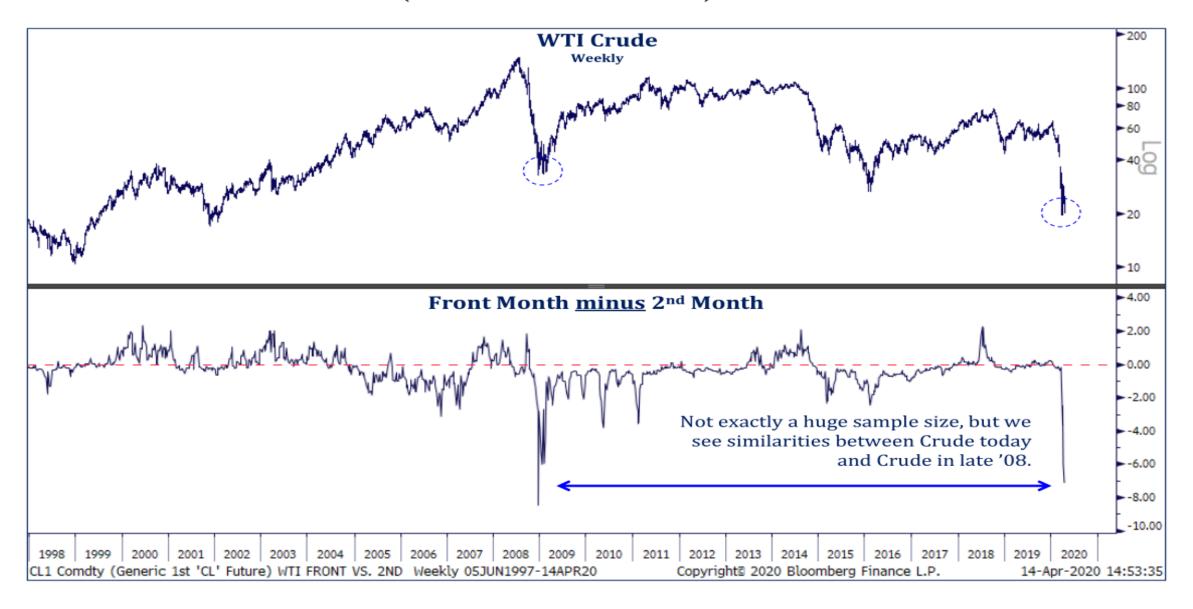
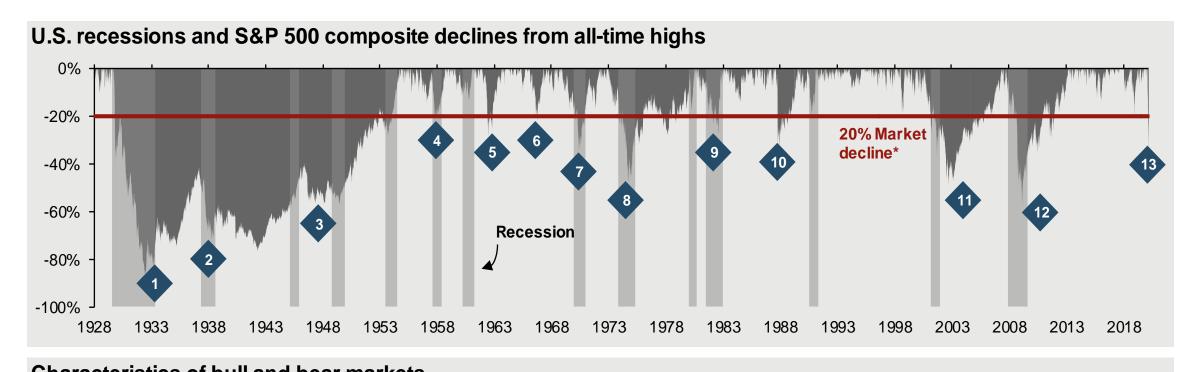


CRUDE CURVE (MASSIVE CONTANGO) SIMILAR TO LATE '08





		Bear Market Macro environment			В	Bull markets					
		Market	Bear	Duration	Recession	${\bf Commodity}$	Aggressive	Extreme	Bull begin	Bull	Duration
M arket correction		peak	return*	(months)*	Recession	Spike	Fed	Valuation	date	return	(months)
1	Crash of 1929 - Excessive leverage, irrational exuberance	Sep 1929	-86%	32	•			•	Jul 1926	152%	37
2	1937 Fed Tightening - Premature policy tightening	Mar 1937	-60%	61	•		•		M ar 1935	129%	23
3	Post WWII Crash - Post-war demobilization, recession fears	M ay 1946	-30%	36	•			•	Apr 1942	158%	49
4	Eisenhower Recession - Worldwide recession	Aug 1956	-22%	14	•		•	•	Jun 1949	267%	85
5	Flash Crash of 1962 - Flash crash, Cuban Missile Crisis	Dec 1961	-28%	6				•	Oct 1960	39%	13
6	1966 Financial Crisis - Credit crunch	Feb 1966	-22%	7			•	•	Oct 1962	76%	39
7	Tech Crash of 1970 - Economic overheating, civil unrest	Nov 1968	-36%	17	•	•	•		Oct 1966	48%	25
3	Stagflation - OPEC oil embargo	Jan 1973	-48%	20	•	•			M ay 1970	74%	31
)	Volcker Tightening - Whip Inflation Now	Nov 1980	-27%	20	•	•	•		M ar 1978	62%	32
0	1987 Crash - Program trading, overheating markets	Aug 1987	-34%	3				•	Aug 1982	229%	60
1	Tech Bubble - Extreme valuations, .com boom/bust	M ar 2000	-49%	30	•			•	Oct 1990	417%	113
2	Global Financial Crisis - Leverage/housing, Lehman collapse	Oct 2007	-57%	17	•	•	•		Oct 2002	101%	60
3	Global Slowdown - COVID-19, oil price war	Feb 2020	-24%	1	•				M ar 2009	401%	132
	Averages	-	-42%	22					-	166%	54



Federal Reserve Actions:

• March 3rd Rate cut to 1 percent

• March 15th Rate cut to a range of 0% to .25%

March 23rd Announced "unlimited QE"

Buy Bonds not covered by QE – corporate debt and non-

mortgage debt (student, auto & CC loans)

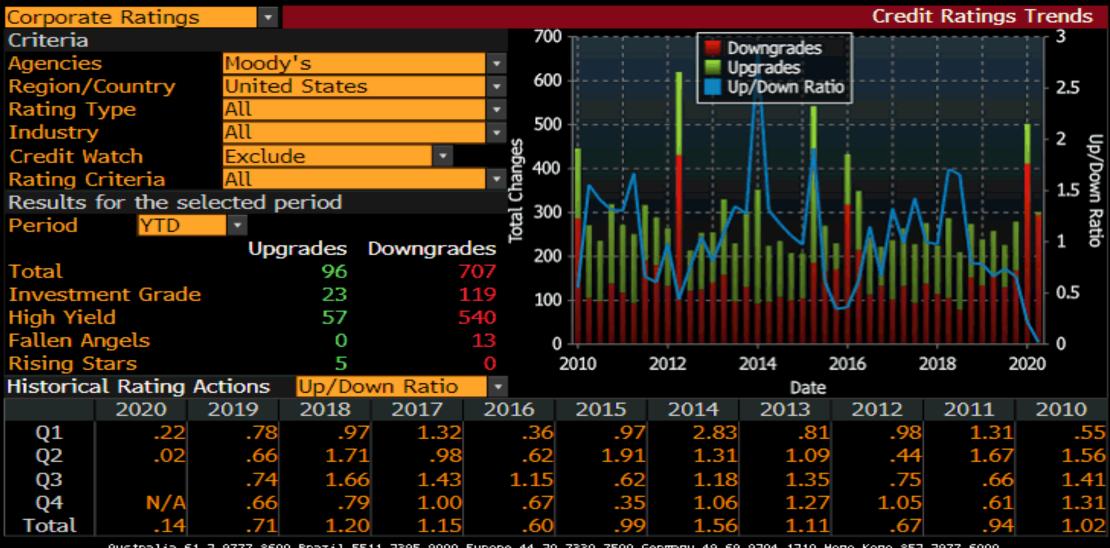
Originally had to be BBB or higher – later lowered to "fallen angels" (bonds downgraded to junk territory from investment

grade – F, OXY & KHC)

• April 9th \$500 billion to buy state & large local government bonds

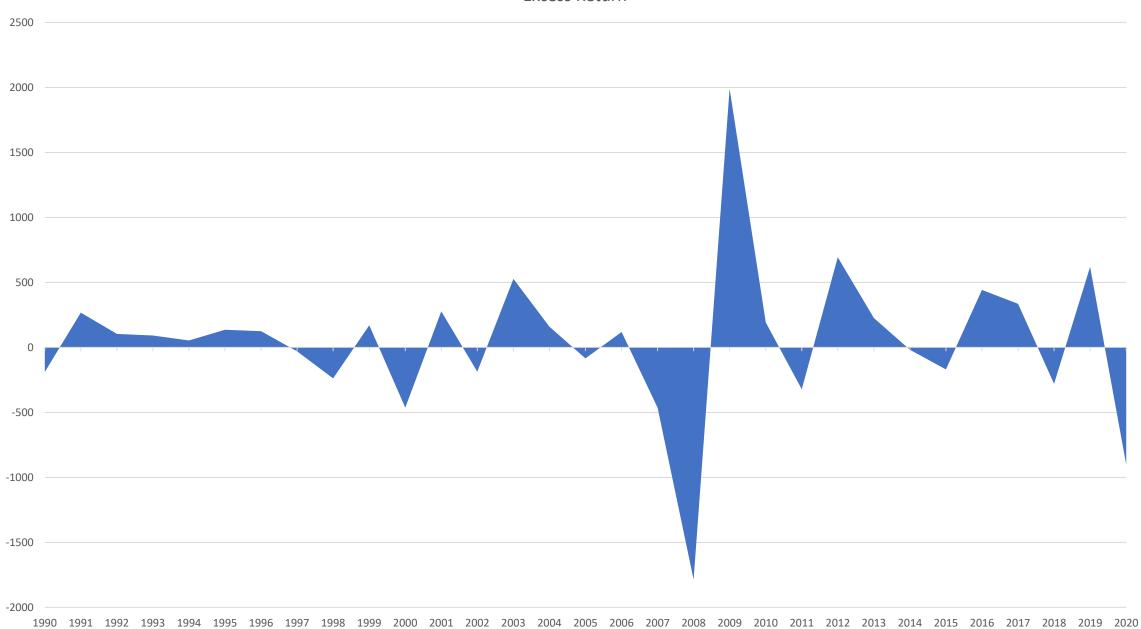
\$600 billion PPP loans

GRAB
Enter all values and hit <GO>.



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Excess Return



4)					YTD			
4	Value	Blend	Growth		Value	Blend	Growth	
Large .	-26.7%	-19.6%	-14.1%	Large	-26.7%	-19.6%	-14.1%	
Mid .	-31.7%	-27.1%	-20.0%	Mid	-31.7%	-27.1%	-20.0%	
Small	-35.7%	-30.6%	-25.8%	Small	-35.7%	-30.6%	-25.8%	
S	Since market peak (October 2007) Since market low (March 2009) Value Blend Growth Value Blend Growth							
Large		115.3%		Large		381.2%		
Mid	66.0%	93.7%	134.7%	Mid	324.0%	367.5%	442.7%	
Small	33.6%	62.4%	93.3%	Small	230.3%	291.5%	356.3%	

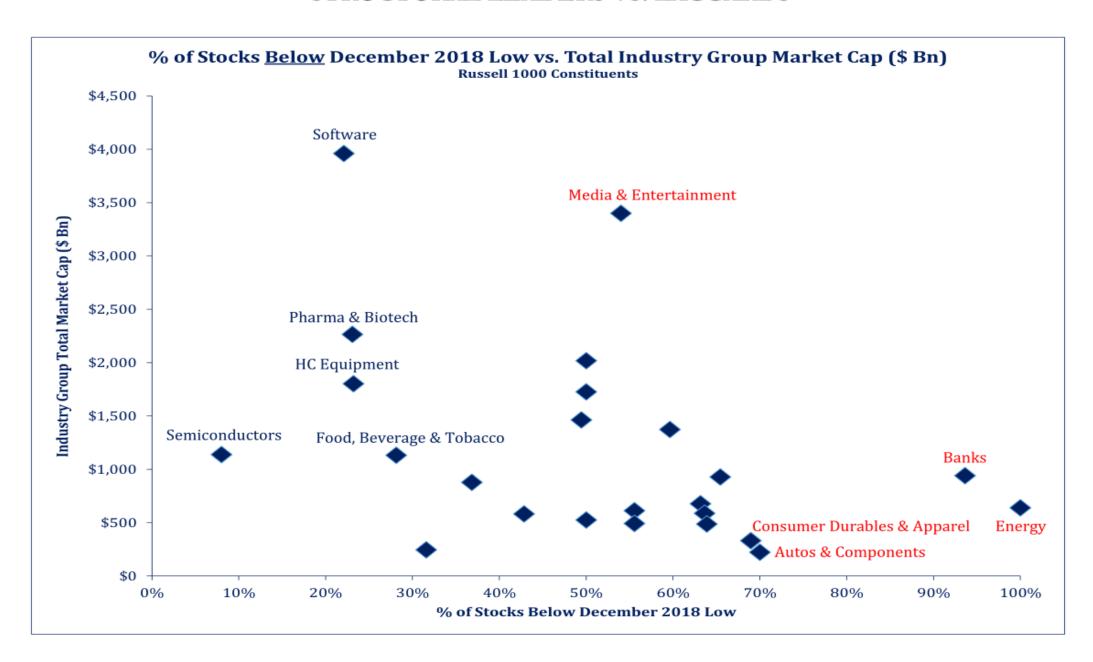
Current P/E vs. 20-year avg. P/E

	Value	Blend	Growth		
Large	12.2	15.4	20.1		
La	13.6	15.5	18.9		
Mid	11.6	14.5	21.4		
2	14.2	16.1	20.6		
Small	11.9	19.5	39.8		
ร	16.4	20.5	29.6		

Current P/E as % of 20-year avg. P/E

	Value	Blend	Growth
Large	89.7%	99.8%	106.3%
Mid	81.7%	90.0%	104.3%
Small	73.0%	95.1%	134.3%

STRUCTURAL LEADERS VS. LAGGARDS



THIS RALLY IS IN VERY GOOD COMPANY...

	S&P	Forward Perform	ance Following	Best 15-Day %	Changes (Top 10)
	<u>Date</u>	15-Day % Change	+20-Days	+65-Days	+125-Days	+250-Days
1.	3/26/2009	22.0%	4.0%	11.3%	27.4%	40.2%
2.	9/3/1982	18.1%	-1.0%	16.3%	25.1%	32.5%
3.	12/12/2008	16.9%	-0.9%	-10.9%	5.0%	25.3%
4.	10/21/1974	15.7%	-5.8%	-1.9%	18.7%	21.6%
5.	10/21/1982	15.5%	-0.5%	0.7%	15.6%	22.6%
6.	10/30/2002	14.7%	5.4%	-4.8%	2.9%	17.5%
7.	10/24/2011	14.1%	-4.9%	5.0%	9.4%	14.3%
8.	8/26/2002	13.6%	-13.6%	-3.7%	-11.5%	4.8%
9.	2/6/1991	13.3%	5.0%	4.9%	9.1%	14.4%
10.	10/29/1998	13.2%	9.8%	17.1%	23.0%	19.4%
Last	15 Trading Days	27.2%	?	?	?	?
		Average	-0.2%	3.4%	12.4%	21.3%
		% Positive	40.0%	60.0%	90.0%	100.0%
		Historical Average	0.7%	2.2%	4.3%	8.8%
		Historical % Positive	61.1%	66.0%	70.2%	73.8%

S&P 500 intra-year declines vs. calendar year returns

Despite average intra-year drops of 13.8%, annual returns positive in 30 of 40 years



