Glenn Williams Jr; CMT 215.280.8308 Glenn Williams Jr LLC glenn@glennwilliamsjr.com

## Weekly Update:

- Weekly summary of portfolio performance is outlined on pages 8, 9, and 10. The strongest performer was Aptiv, which was 7.16% higher on the week. The laggard was Pluralsight (PS), which declined 5.15% on the week (of note however is that our exit of PS shares would have occurred on 3/4/19, at \$32.84 per share).
- As far as sector rotation is concerned, the Consumer Discretionary and Exploration and Production sectors are currently leading the S&P500 on a relative basis. On the other side of the equation, Utilities, Energy, and Healthcare are currently lagging the S&P 500.
- Global market performance:

	1 Week Performance	Futures
S&P (SPX)	2.06%	-0.13%
NASDAQ (COMPX)	2.71%	-0.09%
Nikkei (NI)	1.17%	-0.34%
FTSE (FTSE)	2.30%	0.00%
USD/JPY	0.11%	0.05%
EUR/USD	0.42%	0.06%
WTI (OILSW)	4.89%	0.23%
Brent (OILBR)	2.85%	0.15%
Natural Gas (NG2Spot)	0.08%	0.22%
Copper (HG2Spot)	-1.41%	-0.03%
Gold (GC2Spot)	0.20%	0.15%
Soybeans (S2Spot)	1.67%	0.03%

• Current sector rotation (RRG), relative to the S&P 500

Ticker	Sector	Quadrant
XOP	E&P	Leading
XLY	Consumer Discretionary	Leading
XLF	Financials	Improving
XLB	Materials	Improving
XLI	Industrials	Improving
XLK	Technology	Weakening
XLRE	Real Estate	Weakening
XLP	Consumer Staples	Weakening
XLU	Utilities	Lagging
XLE	Energy	Lagging
XLV	Healthcare	Lagging

### Market thoughts:

• Recent market activity points to a risk on environment, as the S&P 500, Nasdaq, Russell 2000 and Dow Jones Industrial Average all moved higher over the past week. Prices for the market regime filter that I generally work from (specifically the SPXT) remain above the 200 day moving average, with corresponding bullish momentum. Additionally, the advance decline line continues to push higher, which I also view as a bullish signal. Finally, the inversion of the yield curve that took place between 3/22-3/29 is for the moment no longer an issue, as the spread has again turned positive (pg 6).

**Trade idea** (System 3-Moving average crossover: description on page 5\*, chart on page 7):

- Nanometrics (NANO-\$32.00). Potential long candidate
- Manufactures film thickness and overlay metrology systems. The company's products are used for advanced integrated circuit, flat panel display, and magnetic head manufacturing (Source: Bloomberg).
- Moving average crossover between the 10 and 100 day MA's on 4/2/19, caught my attention.
- In looking to the prior downturn (measuring from 10/5/18-12/24/18), I noticed a bullish divergence, as momentum moved higher despite the decline in price. I view this as a bullish signal
- Additionally, the subsequent move higher is in conjunction with further increases in momentum, which is another bullish signal in my view.
- There was an attempt to push prices higher on the 4<sup>th</sup> which failed. This is something that I would actually be concerned about. The down day however came on lower than average volume. As such, I don't view this as a sign that the recent move higher is stalling.
- Looking at the volume at price indicator, implies a level of support at approximately \$30.46. Additionally, looking at AVWAP (anchored volume weighted average price) indicates that the average investor who acquired shares of NANO (when anchoring from 3Q18 earnings), is in a positive position. The same cannot be said when anchoring from the 2Q18 earnings report, as the average investor acquired NANO shares at \$34.90 (above current prices). The concern here is that this could actually serve as a point of resistance, should investors liquidate shares at those prices, in an attempt to get even (assuming shares increase to \$34.90 from current levels).
- On a fundamental basis, NANO has had 5 consecutive years of double digit revenue growth, with the most recent being a 25.48% increase. The 5 yr revenue CAGR is 17.60%, but in my view is muted by a 21% decline in 2013.
- NANO currently holds no debt on their balance sheet. Additionally, on 3/14/2019 NANO's board of directors authorized an \$80 million share repurchase program.
- 9.18% of the company's float is currently held short, with 7.5 days to cover. While the 7.5 days to cover ratio is not huge per se', I do see it as a factor that would support a continued push higher, should investors need to cover the short positions.
- Specific to risk management, my exit/sell stop would be at \$30.54, equating to 1.5x the current average true range (ATR) of 0.976, and implying a maximum loss threshold of 4.56%. As in prior trades, I would advocate using a trailing stop, while maintaining the same loss threshold on a percentage basis.

### Prior 2019 recommendation(s)

- GM- General Motors: 04/02/19 Sell (System 3): Proposed Entry= \$36; Current Price = \$39.06;
   Profit/Loss = N/A (sell stop price yet to be hit)
- MU- Micron Technology: 03/26/19 BUY (System 3): Entry= \$40.55; Current Price=\$42.90; Profit/Loss = 5.8%
- BOMN- Boston Omaha: 03/19/19 BUY (System 3): Entry= \$27.61; 03/22/19; Exit = \$26.36; Current Price = \$24.99; Profit/Loss= -4.5%.
- BZUN- Baozun Inc: 03/12/19 BUY (System 3): Entry= \$39.75; 03/29/19; Current Price = \$42.48;
   Profit/Loss = 6.87%
- QRVO- Qorvo Inc: 03/05/19 BUY (System 3): 03/21/19; BUY =\$72; 03/25/19; Exit =\$71.52; Current Price= \$75.25; Profit/Loss= 0.99%.
- PS- Pluralsight Inc: 02/26/19; BUY (System 2); Entry = \$29.54; 03/02/19; Exit = \$32.84, Current Price = \$29.84; Profit/Loss = 11.2%.
- VRTX-Vertex Pharmaceuticals: 02/19/19; BUY (System 2); Entry =\$188.07; 03/05/19; Exit = \$187.69, Current Price = \$188.93; Profit/Loss = -.002%.
- JOBS- 51Jobs Inc: 02/12/19; BUY (System 3); Entry = \$69.14; Current Price = \$87.89; Profit/Loss=
   27.12%
- FTNT-Fortinet: 02/05/19; BUY (System 3); Entry = \$80.14; Current Price = \$86.08; Profit/Loss = 7.41%
- NWL-Newell Brand: 1/29/19; BUY (System 2); Entry = \$21.13; 2/15/19; Exit = \$18.68, Current Price = \$15.76; Profit/Loss= -12%

## **Entrepreneurship/Venture Capital**

- On the entrepreneurship front, one story that stood out to me was the mid-season demise of the Alliance of American Football (AAF), which shut down operations prior to its first season even concluding.
  - The league apparently shut down after Thomas Dundon (entrepreneur and owner of the Carolina Hurricanes), decided to not continue funding the league after previously investing \$70 million (and securing majority ownership).
  - o But while the league will cease operations, it appears that the true jewel of the league is the technology platform that will remain.
  - In short, the AAF in my view was about significantly more than just bridging a gap between the NFL Super Bowl and NFL Preseason. As said by league co-founder Charlie Ebersol, "One of the things we're building is a football league, but on the other side, we're building a technology company that allows direct and for the first time ever, fully real-time data streaming out of the game for what we call Stats 2.0."
  - The tech itself consisted (at least in part) of wearables that tracked players movements on the field, transmitted data to a gaming app, and thereby would facilitate instant odds making, along with "in game" betting.
  - Moreover, it appears that MGM (also an investor) will walk away with the technology (as opposed to Dundon).
  - Reportedly (and despite holding a minority ownership stake), MGM's investment included a
    provision that it would take ownership of the technology were the AAF to go out of business.
  - $\circ$  \*as a sidenote, I think MGM warrants monitoring as a potential long idea.
- On the IPO front, the calendar is fairly quiet in North America, with Pagerduty expected to price on 04/10/2019.
  - The company operates in the wireless communications sector and is expecting to raise \$190 million in the offering.
  - The expected price range is \$19-\$21 per share.

#### **Trade System Descriptions\***

- System 1: Momentum ranking while accounting for volatility. Basket of stocks are ranked based on their momentum over the last 90 days (using the exponential regression). That number is annualized and then subsequently multiplied by the R2 (coefficient of determination), in order to penalize stocks for excessive volatility. Goal is to locate stocks with strong, steady momentum
- System 2: Retracement while in a primary trend. For long ideas, the goal is to identify names that have been moving higher, but have recently pulled back slightly. I look for stocks whose current price likes below the 20 day moving average, but above the 50 day moving average, while momentum (14 period RSI), is pointing higher as well.

• **System 3:** Moving average crossover. Basic system attempting to capture a stock poised to breakout. Can use a 10 day MA crossover above the 100 day MA, 20 above the 50, 50 above the 200, etc... depending on risk tolerance.





	Code 🔥	Name	Last	Sector Name	Mkt Cap	Daily Change	1 Week Change	Relative to S&P	1 Month Change	Quarterly Change	Yearly Change	<b>I</b>
Com	mercial Servic	CNT: 4					*					福
	6028.JP	TechnoPro Holdings,Inc.	6,580.000	Commercial Services	238,514.6	0.15%		Leading		37.95%		
	ВСО	The Brink's Co	79.06	Commercial Services	3,947.2	-0.45%		Leading				
	BOMN	Boston Omaha Corp	24.99	Commercial Services	555,0	-0.56%		Lagging	1.42%			
	KFY	Korn Ferry	47.06	Commercial Services	2,660.2	-0.19%		Leading				
Cons	sumer Durabl	CNT: 4										4
	ELY	Callaway Golf Co	16.55	Consumer Durables	1,564.2	0.36%		Improving				
	GM	General Motors Co	39.06	Consumer Durables	54,684.0	0.31%		Weakening	2.82%			
	MSA	MSA Safety Inc	106.61	Consumer Durables	4,107.3	-0.10%		Lagging			28.65%	
	SWK	Stanley Black & Decker Inc	144.00	Consumer Durables	21,604.5	0.85%	3.22%	Leading				
Cons	sumer Non Du	CNT: 2										
	4985.JP	EARTH CHEMICAL CO LTD	5,080.000	Consumer Non Durable	104,917.1	-2.12%		Lagging				
	BF.B	Brown-Forman Corp	53.02	Consumer Non Durable	25,388.5	-0.38%		Leading				
Cons	sumer Service	CNT: 7										
	DISH	Dish Network Corp	33.99	Consumer Services	15,903.4	-2.05%		Leading				
	HLT	Hilton Worldwide Holding	88.18	Consumer Services	25,996.9	0.85%		Leading				
	LBTYK	Liberty Global PLC	26.79	Consumer Services	20,004.7	-0.26%		Leading				
	LYV	Live Nation Entertainment	63.58	Consumer Services	13,223.3	1.03%		Leading				
	SBUX	Starbucks Corp	75.20	Consumer Services	93,284.8	0.23%		Weakening				
	TSG	The Stars Group Inc	18.680	Consumer Services	5,103.0	-1.01%		Improving				
	WWE	World Wrestling Entertains	90.03	Consumer Services	6,955.9	0.99%		Leading				
Distr	ibution Servi	CNT: 1										9
	FERG	Ferguson PLC	52.400	Distribution Services	12,164.4	-0.27%		Lagging				
Elect	ranic Technal	CNT: 4										
	FTNT	Fortinet Inc	86.08	Electronic Technology	14,616.4	2.34%		Leading				
	MU	Micron Technology Inc	42.90	Electronic Technology	47,447.4	~0.9796		Leading				
	NANO	Nanometrics Inc	32.00	Electronic Technology	777.5	0.31%		Improving				
	QRVO	Qorvo Inc	75.25	Electronic Technology	9,211.5	0.48%		Leading				
	nce	CNT: 7										and the state of t

Optuma optuma.com

8th Apr 2019

1	Day -	Watch	List -	Watchlist	Summary	Layo	ut
---	-------	-------	--------	-----------	---------	------	----

	Code 🔺	Name	Last	Sector Name	Mkt Cap	Daily Change	1 Week Change	Relative to S&P	1 Month Change	Quarterly Change	Yearly Change	<b>±</b>
ina	nce	· · · · · · · · · · · · · · · · · · ·			2	760	**			4	48	-
	CARO	Carolina Financial Corp	35.64	Finance	797.9	-1.27%	0.82%	Leading				
	FBNC	First Bancorp	36.32	Finance	1,079.6	0.1996		Lagging				
	LAND	Gladstone Land Corp	12.39	Finance	221.7			Lagging				
	NCOM	National Commerce Corp	39.2100	Finance	814.1	-0.28%		Leading				
	SSB	South State Corp	71.32	Finance	2,555.4	-0.60%		Improving				
	TOWN	Towne Bank	26.0400	Finance	1,885.6	0.08%		Lagging				
	٧	Visa Inc	157.75	Finance	172,131.8	D.06%		Leading				
leal	th Services											量
	EVHC	Envision Healthcare Holdings	45.99	Health Services	4,874.5			Weakening			9.92%	
eal	th Technolog	y										졭
	ALXN	Alexion Pharmaceuticals Inc	139.75	Health Technology	31,234.1	-1.03%		Leading		28.67%		
	CSII	Cardiovascular Systems Inc	37.4200	Health Technology	1,303.1	-2.88%		Leading				
	NEOG	Neogen Corp	57.28	Health Technology	2,985.5	-0.45%		Improving				
	TGTX	TG Therapeutics Inc	8.38	Health Technology	710.4	-1.06%		Leading				
	VRTX	Vertex Pharmaceuticals Inc	188.93	Health Technology	48,209.7	D.02%		Weakening		6.03%		
	Energy Miner											星
	SUM	Summit Materials Inc	15.300	Non Energy Minerals	1,092.4	-0.33%		Leading				
	VMC	Vulcan Materials Co (Holding	120.69	Non Energy Minerals	16,733.8	0.40%		Leading				
rod	lucer Manufa	cturing										⑩
	5301.JP	Tokai Carbon Co Ltd	1,491.000	Producer Manufacturii	325,272.5	-2.29%		Improving				
	AME	AMETEK Inc	84.62	Producer Manufacturi	19,218.1	0.39%		Leading				
	APTV	Aptiv PLC	88.49	Producer Manufacturi	22,603.6	1.78%		Leading				
	LECO	Lincoln Electric Holdings Inc	89.70	Producer Manufacturii	5,700.1	0.10%		Lagging				
U	NWL	Newell Brands Inc	15.76	Producer Manufacturii	6,701.4	-0.5796		Lagging				
	PCAR	Paccar Inc	68.94	Producer Manufacturii	23,922.3	-0.12%		Leading				1
	WSO	Watsco Inc	148.51	Producer Manufacturii	5,563.4	-1,07%		Lagging				
	XONE	The ExOne Co	8.86	Producer Manufacturii	143.8	-1.56%		Leading				
	XYL	Xylem Inc	81.33	Producer Manufacturii	14,617.0	1.23%		Leading				

0 @ O \* 1 @ x

Optuma optuma.com

8th Apr 2019

1 Day - Watch List - Watchlist Summary Layout

	Trans.			Deeply 9	
		16.9	200	the II a	

- 🔲	Code 🔥	Name	Last	Sector Name	Mkt Cap	Daily Change	1 Week Change	Relative to S&P	1 Month Change	Quarterly Change	Yearly Change	<b>±</b>
- Retai	l Trade					100			·			-
	2782.JP	Seria Co Ltd	3,770.000	Retail Trade	280,986.1	1.75%		Improving	1:34%			
	3182.JP	Oisix Inc.	1,739.000	Retail Trade	57,115.6	2.23%		Improving	-1.64%			
	9435.JP	HIKARI TSUSHIN INC	20,660.000	Retail Trade	951,011.8			Leading	0.63%			
	BZUN	Baozun Inc	42.48	Retail Trade	2,254.9	-0.86%		Improving	23.45%			
	OLLI	Ollie's Bargain Outlet Hold	89.39	Retail Trade	5,632.1	-0.33%		Leading	11.82%			
	WMT	Walmart Inc	99.23	Retail Trade	285,583.9	0.40%		Lagging	1.68%			
– Tech	nology Servic											<b>a</b>
	CYBR	CyberArk Software Ltd	117,0300	Technology Services	4,311.2	2.28%		Leading	9.55%			
	JOBS	51job Inc	87.89	Technology Services	5,415.3	0.42%		Leading	33.05%			
	PS	Pluralsight Inc	29.84	Technology Services	1,945.3	-0.86%		Leading	3.58%			

Type Code or Name to add an item to the watchlist



8th Apr 2019

1 Day - Watch List - No Layout

	Code	Name	Last	1 Month Change	3 Month Change	6 Month Change	9 Month Change	12 Month Change	1
Lead	ing Indicators			***		,	· · · · · · · · · · · · · · · · · · ·		ĪĘ
	USSLIND	Leading Index for the United States	0.92				-39.47%		
	UMCSENT	University of Michigan: Consumer Sentiment®	93.80						
	T10YFF	10-Year Treasury Constant Maturity Minus Federal Funds Rate	0.10						
	SP500	S&P 500©	2,892.74						
	PERMIT	New Private Housing Units Authorized by Building Permits	1,296.00						
	NFCI	Chicago Fed National Financial Conditions Index	-0.85						
	NEWORDER	Manufacturers' New Orders: Nondefense Capital Goods Excluding Aircraf	68,873.00						
	IC4WSA	4-Week Moving Average of Initial Claims	213,500.00						
	DGORDER	Manufacturers' New Orders: Durable Goods	255,307.00					6.26%	
	AWHMAN	Average Weekly Hours of Production and Nonsupervisory Employees: Ma	41.80						
Coin	cident Indicator								1
	W875RX1	Real personal income excluding current transfer receipts	13,753.90						
	RSAFS	Retail and Food Services Sales	504,440.00						
	PCE	Personal Consumption Expenditures	14,176.20						
	PAYEMS	All Employees: Total Nonfarm Payrolls	150,606.00						
	INDPRO	Industrial Production Index	109.67						
	CDSP	Consumer Debt Service Payments as a Percent of Disposable Personal Inc	5.63			0.87%			
	BUSLOANS	Commercial and Industrial Loans, All Commercial Banks	2,334.20						
Lagg	ing Indicators								
	ULCNFB	Nonfarm Business Sector: Unit Labor Cost	109.78						
	UEMPMEAN	Average (Mean) Duration of Unemployment	21.70		0.00%				
	MPRIME	Bank Prime Loan Rate	5.50	0.00%					
	MNFCTRIRSA	Manufacturers: Inventories to Sales Ratio	1.35	0.00%		0.75%	0.00%	0.00%	
iu.	CIVPART	Civilian Labor Force Participation Rate	63.20	0.00%					

OBORIDX



8th Apr 2019

1 Day - Watch List - No Layout

	Cod	Name	Last	1 Month Change	3 Month Change	6 Month Change	9 Month Change	12 Month Change
I	LNS	Civilian Labor Force Participation Rate: Men	69.10	-0.14%	0.14%	0.58%	0.00%	-0.29%
]	LNS1	Civilian Labor Force Participation Rate: Women	57.30					
I	LNS1	Labor Force Participation Rate: White	63.00					
	LNS	Labor Force Participation Rate: Black or African American	62.10	-0.64%	0.00%			
1	LNS	Labor Force Participation Rate: Hispanic or Latino	67.00	0.60%	0.00%			1.82%
1	LNS	Civilian Labor Force Participation Rate: 16 to 19 years	35.10		-1.40%		0.00%	
	LNS	Civilian Labor Force Participation Rate: 16 to 19 years, White	37.40				2,19%	0.00%
1	LNS	Civilian Labor Force Participation Rate: 16 to 19 years, Black or African American	29.00					
1	LNS	Civilian Labor Force Participation Rate: 20 years and over, Men	71.70					
	LNS1	Labor Force Participation Rate: 20 years and over, Women	58.70					
j	LNS1	Civilian Labor Force Participation Rate: 20 years and over, White Men	71.90	-0.1496	0.00%		0.00%	
i	LNS	Labor Force Participation Rate: 20 years and over, White Women	57.90			0.87%		0.87%
1	LNS	Civilian Labor Force Participation Rate: 20 years and over, Black or African American Men	68.00			0.00%		
1	LNS	Labor Force Participation Rate: 20 years and over, Black or African American Women	62.00			-1.4396		
	LNS	Civilian Labor Force Participation Rate: 20 to 24 years	71.90					
	LNS	Civilian Labor Force Participation Rate: 25 to 54 years	82.50					
1	LNS	Civilian Labor Force Participation Rate: 55 years and over	40.10			0.00%	0.00%	
1	LNS1	Labor Force Participation Rate: Less than a High School Diploma, 25 years and over	46.10	-1.91%	0.00%	0.22%		
I	LNS1	Labor Force Participation Rate: High School Graduates, No College, 25 years and over	57.90		-0.34%		0.00%	
]	LNS	Civilian Labor Force Participation Rate: Bachelor's Degree and Higher, 25 years and over	73,70				-0.41%	
1	LNS	Labor Force Participation Rate: Some College or Associate Degree, 25 years and over	65.20					

Type Code or Name to add an item to the watchlist



8th Apr 2019

