July 18, 2019

Business Cycle Index

The BCI at 255.2 is up from last week's downward revised 254.7, and remains below the previous high of this business cycle indicated by the BCIp of 78.4. However, the 6-month smoothed annualized growth BCIg at 9.8 is below last week's 10.2.

Both BCIp and BCIg are not signaling a recession.

July 19, 2019

Market Signals Summary:

The MAC-US model, "3-mo Hi-Lo Index of the S&P500", iM-Low Frequency Timer, and the S&P500 Coppock are invested in the markets. The MAC-AU is also invested in the markets. The recession indicators COMP and iM-BCIg do not signal a recession. The bond market model avoids high beta (long) bonds, and the yield curve is steepening. The gold Coppock model generated a new buy signal on 3/28/2019 and remains invested in gold, however the silver model is in cash. The iM-Gold Timer is in cash.

MAC-US

The MAC-US model switched into the markets on 2/26/2019. The sell-spread (red line) is above last week's value needs to move below zero to generate a sell signal.

3-mo Hi-Lo Index

The 3-mo Hi-Lo Index of the S&P500 is below last week's level at 7.26% (last week 6.25%), and is invested in the market since 7/8/2019.

Coppock Indicator for the S&P500

The Coppock indicator for the S&P500 entered the market on 5/9/2019 and is invested.

MAC-AU

The MAC-AU model is invested in the markets after signaling a buy on February 7, 2019. The sell-spread (red line) is above last week's value and needs to move below zero to generate a sell signal.

Recession:

COMP

Figure 3 shows the COMP above last week's level. No recession is indicated.

iM-BClg

Figure 3.1 shows the recession indicator iM-BCIg below last week's level. An imminent recession is not signaled

Forward Rate Ratio

The Forward Rate Ratio between the 2-year and 10-year U.S. Treasury yields (FRR2-10) is above last week's level and is not signaling a recession.

iM-Low Frequency Timer

The iM-Low Frequency Timer is back in the markets since 1/22/2019.

Bond-market:

The BVR-model avoids high beta bonds (long-bonds) and also intermediate duration bonds. The Bond Value Ratio is shown in Fig 4. The BVR is above last week's level. According to the model, only when BVR turns upward after having been lower than the lower offset-line should one consider long bonds again.

The Yield Curve:

The yield curve model indicates the trend of the 10-year and 2-year Treasuries yield spread. Figure 5 charts (i10 - i2) shows that the yield curve near last week's level, and the trend seems to be upward for now. FLAT and STPP are ETNs; STPP profits from a steepening yield curve and FLAT increases in value when the yield curve flattens. This model confirms the direction of the BVR.

Gold:

Coppock Gold

The modified Coppock Gold indicator shown in Fig 6. This model generated a new buy signal end March 2019 and is invested in gold.

IM GOLD-TIMER

The iM GOLD-TIMER Rev-1 sold gold on 12/31/2018 and the model is in cash

Silver:

Coppock Silver

The modified Coppock Silver indicator shown in Fig 7. This model generated a sell signal early August 2018 and is in cash.

Monthly Updates

July 5, 2019 (next update August 2, 2019)

Unemployment

The unemployment rate recession model (article link), has been updated with the June UER of 3.2%. The model does not signal a recession.

The Dynamic Linearly Detrended Enhanced Aggregate Spread:

The updated level of this indicator, -263bps, below last months -245bps, confirms the January 2017 signal. Based on past history a recession could have started as early as October 2017, but not later than April 2020. The average lead time to previous recessions provided by DAGS was 15 months which would indicate a recession start for April 2019. (Note: All our other recession indicators are far from signal a recession.)

CAPE-Cycle-ID

Fig 9a depicts the CAPE-Cycle-ID and the year-on-year rate-of-change of the Shiller CAPE; the level moved from +2 to 0 end of May-2019.

To avoid the bear market, exit stocks when the spread between the 5-month and 25-month moving averages of S&P-real becomes negative and simultaneously the CAPE-Cycle-ID score is 0 or -2.

Estimated Forward 10-Year Returns

The estimated forward 10-year annualized real return are estimated at 6.2% with a 95% confidence interval : 4.8% to 7.6%, which is unchanged from last month.

iM-GT Timer

Fig-10.-2-1-2019The iM-GT Timer, based on Google Search Trends volume is invested in the markets 7/1/2020.

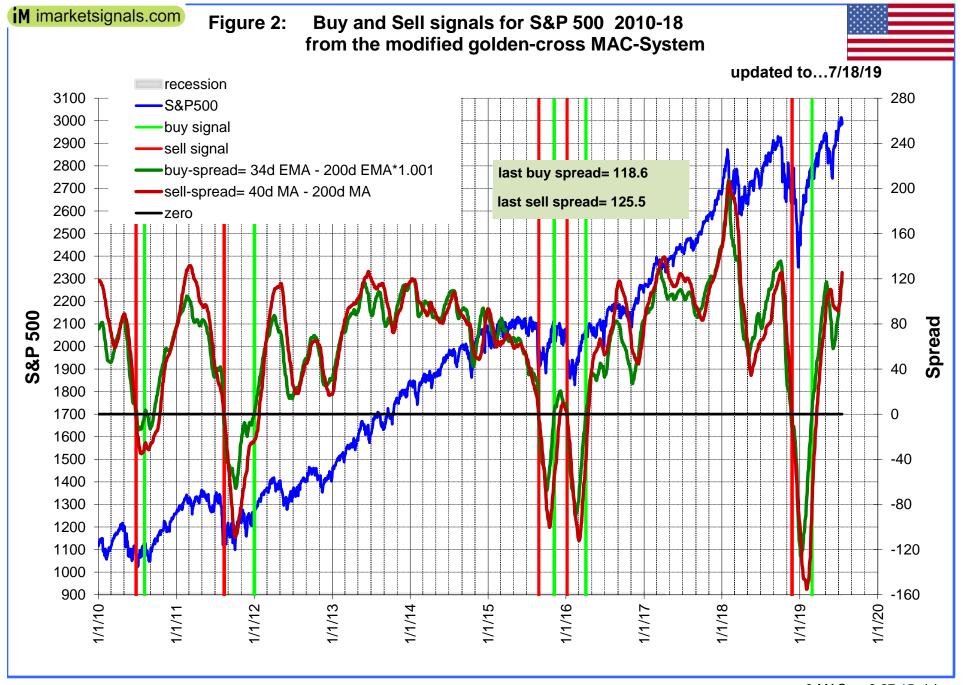
Trade Weighted USD

The trend of Trade Weighted \$ value is indeterminate.

TIAA Real Estate Account

The 1-year rolling return for the end of last month is 5.25%. A sell signal is not imminent.

iM imarketsignals.com iM's Business Cycle Index (BCI) 06/20 06/27 07/04 07/11 07/18 Date **BCIp, BCI and BCIg** BClp 86.7 81.9 79.1 75.5 78.4 updated to July 18, 2019 On past performance, BClp = 100 can be interpreted as an average one year "time-to-255.2 BCI 256.5 255.7 255.3 254.7 live" to a recession. 11.0 10.6 10.2 9.8 BClg 10.8 100 320 **BCIp**: The BCI in off-peak-mode 300 **BClp** 280 5 day average of S&P 500 On past performance, when BClp moved 260 from above to below 25 a recession **BCI: the Business Cycle Index** followed, on average, 240 20 weeks later 220 BCI S&P500/10 00500 - -20 30 the growth of BCI and 6 is added to it **BClg** 160 20 140 120 On past performance, when BClg moved from above to below zero a recession 100 followed, on average, -10 BCIg: 11 weeks later 80 -20 60 01/01/08 01/01/00 01/01/02 01/01/03 01/01/04 01/01/02 01/01/06 01/01/07 01/01/10 01/01/11 01/01/12 01/01/13 01/01/14 01/01/15 01/01/19 01/01/20 01/01/01



Australia All Ordinairies Index

Fig 2.1: Buy and Sell signals for the Australia All Ordinaries Index from the MAC-ALL System



-800

-960

-1120

