March 22, 2018

Business Cycle Index

The BCI at 237.7 is above last week's 237.2, and it is below this business cycle's peak as indicated by the BCIp at 89.4. However, the 6-month smoothed annualized growth BCIg is at 13.3, which is below last week's 13.6.

No recession is signaled.

March 23, 2018

Market Signals Summary:

The MAC-US model is invested. Also, the "3-mo Hi-Lo Index of the S&P500" generated a sell signal on 15/3/;2018 and is disinvested from the markets. The monthly updated S&P500 Coppock indicator is also invested. The MAC-AU is also invested. 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 has steepened and signaled buy STPP. Both the gold and silver Coppock models are invested, and the iM-Gold Timer is in gold since 7/10/2017.

Stock-markets:

MAC-US

The <u>MAC-US</u> model generated a buy-signal 4/5/2016 and thus is invested in the stock-markets. The sell-spread (red graph) is below last week's level and has to fall below zero to signal a sell.

3-mo Hi-Lo Index

The <u>3-mo Hi-Lo Index</u> of the S&P500 is is below last week's level at 0.84% (last week 4.63%) and and is disinvested from the market since 3/15/2018.

MAC-Australia

The MAC-AU model is invested in the markets after it generated a buy signal on March 21, 2016. The sell-spread is below last week's level and has to fall below zero to signal a sell. This model and its application is described in MAC-Australia: A Moving Average Crossover System for Superannuation Asset Allocations.

Recession:

COMP

Figure 3 shows the COMP above last week's revised level. No recession is indicated. COMP can be used for stock market exit timing as discussed in this article The Use of Recession Indicators in Stock Market Timing.

BClg

Figure 3.1 shows the recession indicator iM-BClg down from last week's level. An imminent recession is not signaled. Please also refer to the <u>BCl page</u>

Forward Tate Ratio

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

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 near 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 <u>yield curve model</u> indicates the trend of the 10-year and 2-year Treasuries yield spread. Figure 5 charts (i10 – i2) shows that the yield curve had steepened signaling a buy STPP mid-February 2018, but could be at the beginning of a flattening trend . 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:

The modified Coppock Gold indicator shown in Fig 6. This model generated a new buy signal end November 2017 and is invested in gold. This indicator is described in Is it Time to Buy Gold Again? — Wait for the buy signal

The <u>iM GOLD-TIMER Rev-1</u> is invested in gold since 7/10/2017.

Silver:

The modified Coppock Silver indicator shown in Fig 7. This model generated a new buy signal late November 2016 and is invested in silver. This indicator is described in Silver – Better Than Gold: A Modified Coppock Indicator for Silver.

Monthly Updates (next update April 6)

March 9, 2018

Unemployment

The unemployment rate recession model (article link), has been updated with the January UER of 4.1%. Based on the historic patterns of the unemployment rate indicators prior to recessions one can reasonably conclude that the U.S. economy is not likely to go into recession anytime soon. The growth rate UERg is at minus 13.10% (last month 13.10%) and EMA spread of the UER is at minus 0.03% (last month minus 0.23%).

The Dynamic Linearly Detrended Enhanced Aggregate Spread:

The updated level of this indicator, -132bps, above last months -140bps, confirms the January 20, 2017 signal. Based on past history a recession could have started at the earliest in October 2017, but not later than May 2019. The average lead time to previous recessions provided by DAGS was 15 months which

would indicate a recession start for April 2018. (Note: All our other recession indicators are far from signal a recession.)

Coppock Indicator for the S&P500

The Coppock indicator for the S&P500 entered the market end May 2017. This model is in stocks. This indicator is described <u>here</u>.

CAPE-Cycle-ID

Fig 9a depicts the CAPE-Cycle-ID and the year-on-year rate-of-change of the Shiller CAPE. A model using this indicator invests in the market when the Cycle-ID is +2 or 0, and when the Cycle-ID equals -2 the model is in cash. This indicator is described <a href="https://example.com/here-change-of

Trade Weighted USD

The Trade Weighted \$ value continues to weaken.

TIAA Real Estate Account

The 1-year rolling return for the end of last month is 3.97%. A sell signal is not imminent. Read more ...

iM imarketsignals.com iM's Business Cycle Index (BCI) 02/22 03/01 03/08 03/15 03/22 Date **BCIp, BCI and BCIg** BClp 88.9 82.6 81.5 86.2 89.4 updated to March 22, 2018 On past performance, BClp = 100 can be 237.7 interpreted as an average one year "time-to-237.2 BCI 237.6 236.7 236.5 live" to a recession. 15.0 13.7 13.3 **BClg** 14.2 13.6 320 100 BClp: The BCI in off-peak-mode 300 **BClp** 280 5 day average of S&P 500 260 On past performance, when BCIp moved from above to below 25 a recession **BCI: the Business Cycle Index** followed, on average, 240 20 weeks later BCI 220 and S&P500/10 200 -20 180 30 **BClg** growth of BCI and added to it 160 20 140 120 On past performance, when BClg moved from above to below zero a recession 100 -10 followed, on average, 11 weeks later -20 80 -30 01/01/06 01/01/08 01/01/00 01/01/16 01/01/18 01/01/10 01/01/01 01/01/02 01/01/04 01/01/10 01/01/05 01/01/11 01/01/12 01/01/13 01/01/14 01/01/15 01/01/17 01/01/07

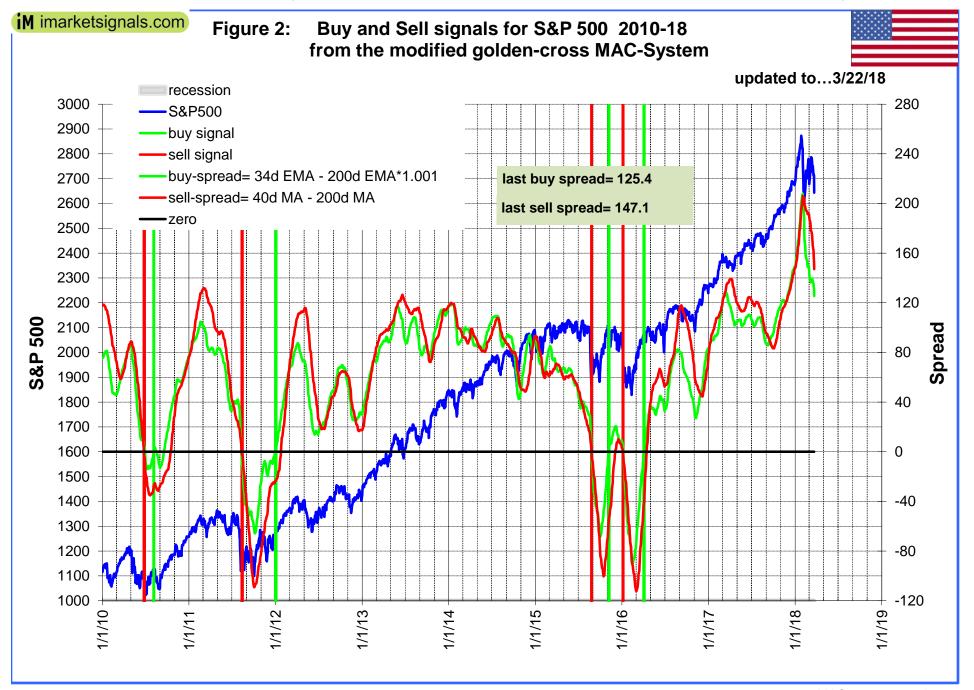
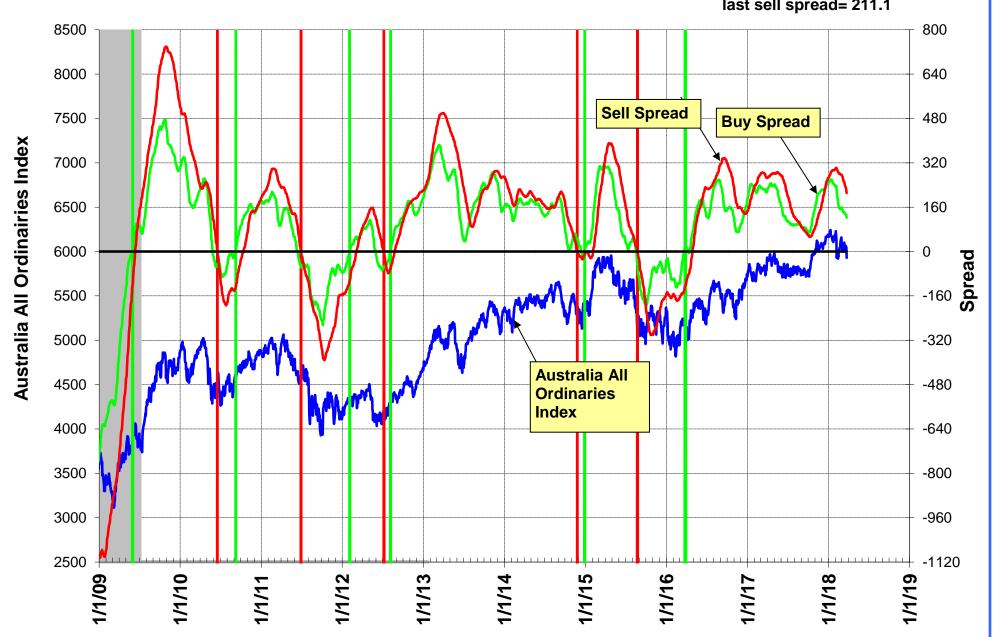
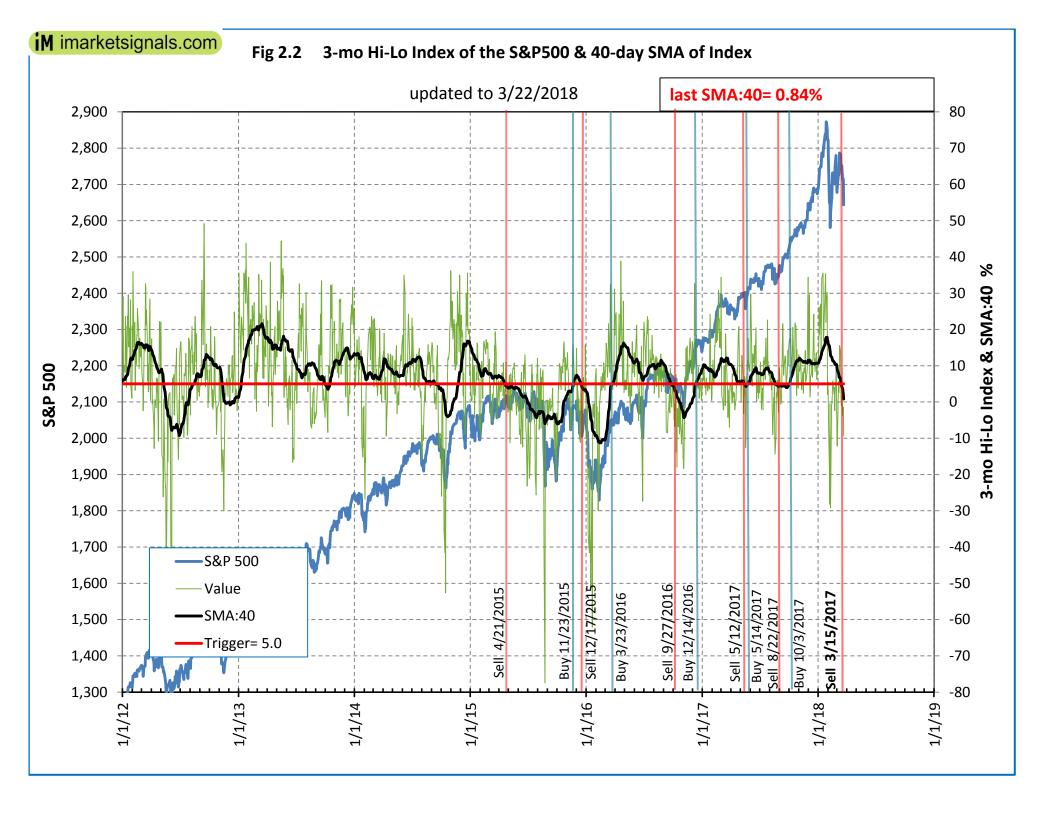


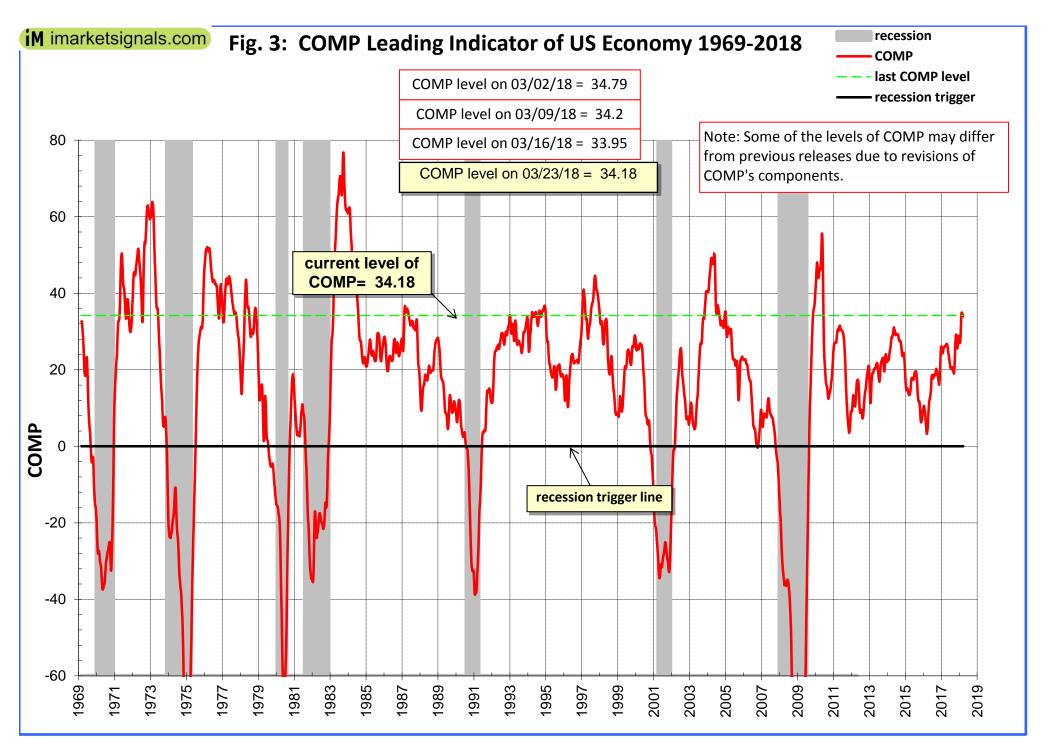
Fig 2.1: Buy and Sell signals for the Australia All Ordinaries Index from the MAC-AU System

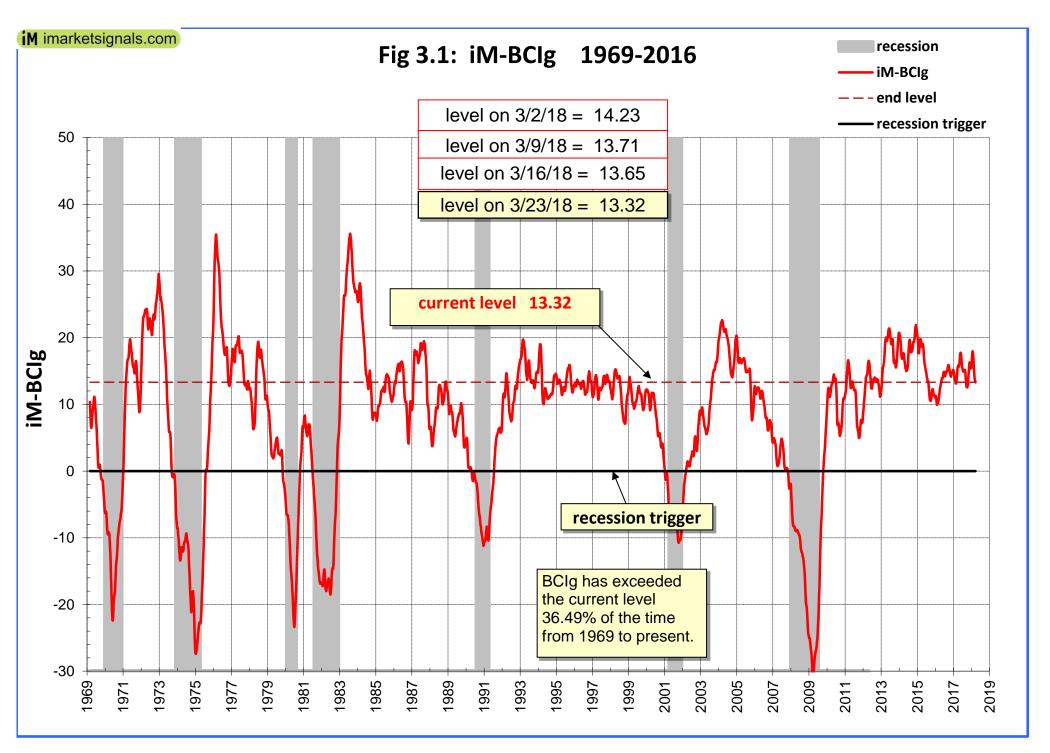


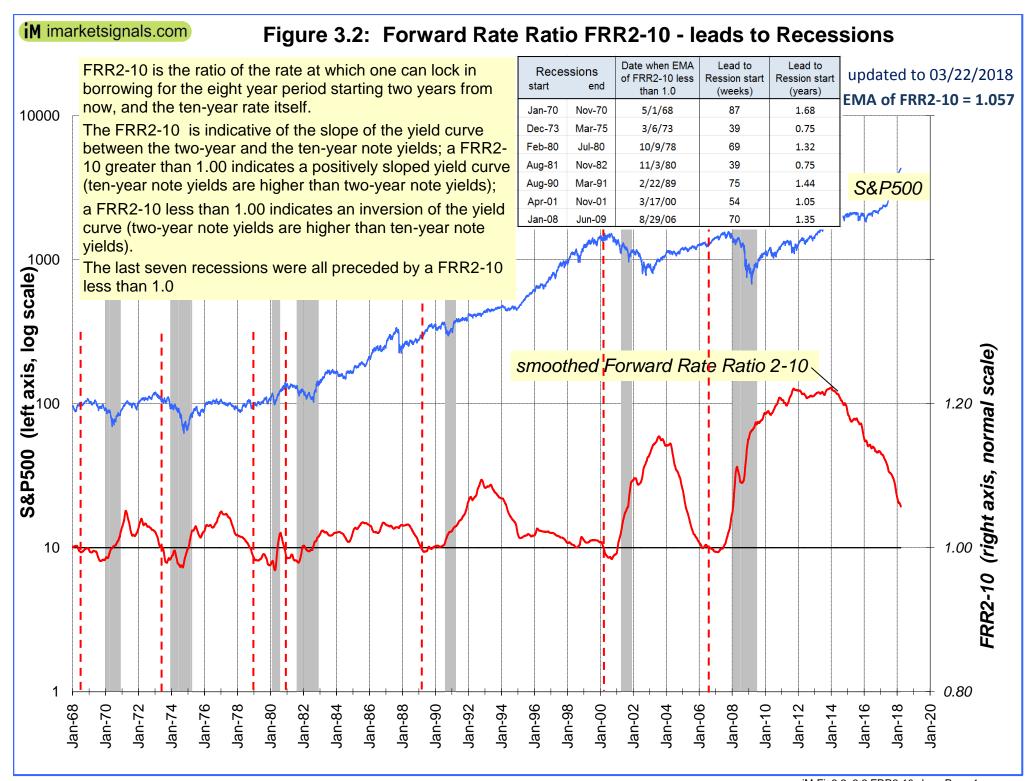
updated to Mar-23-18 last sell spread= 211.1

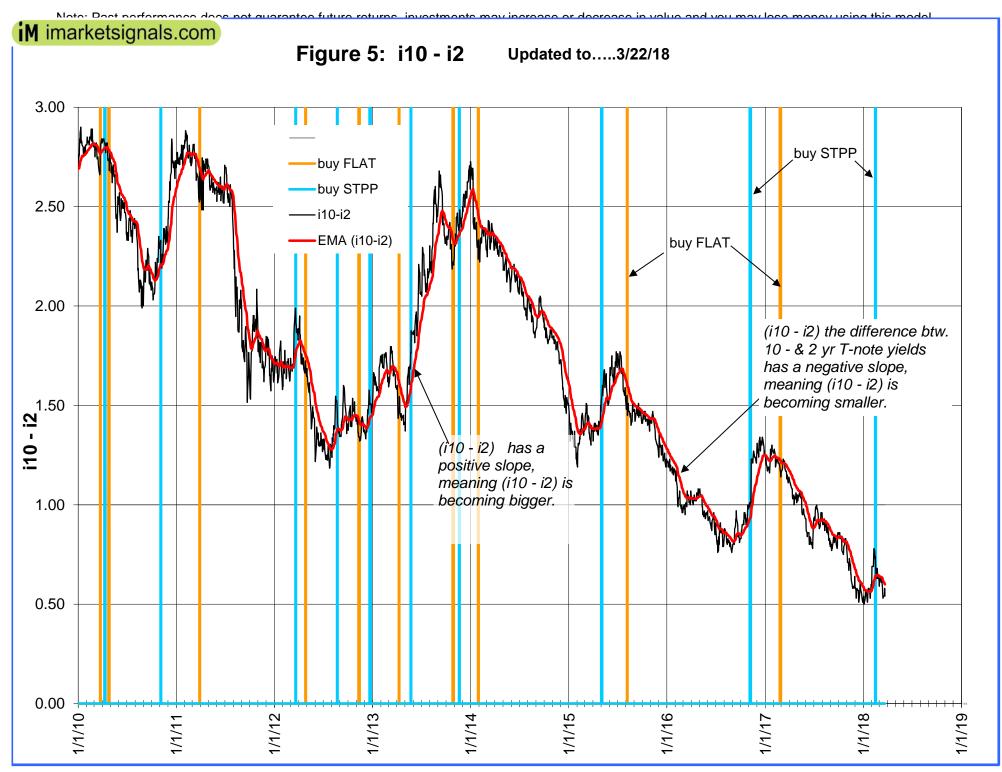


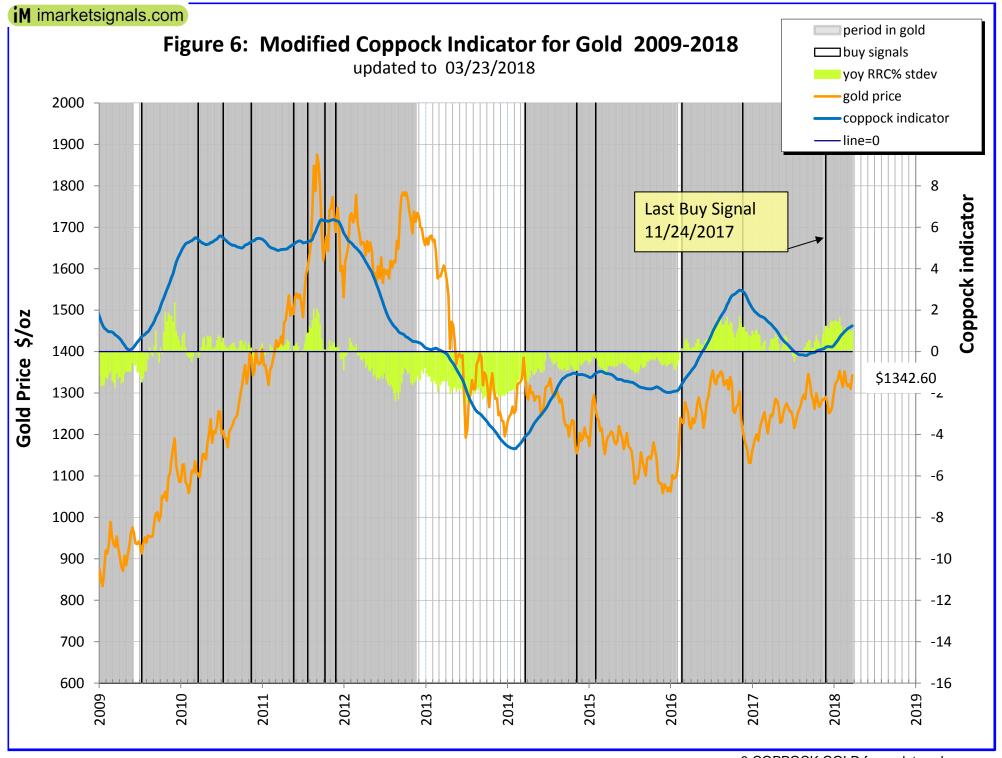














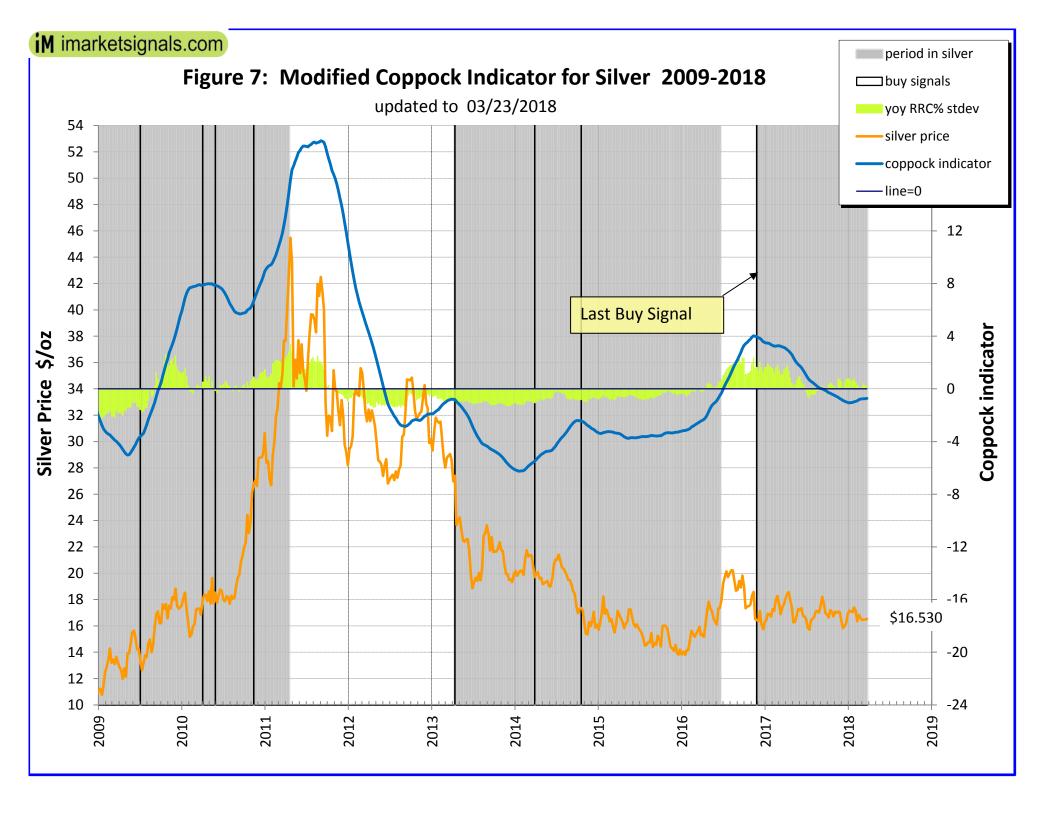


Fig-8 Unemployment Rate and Recessions (real-time) 2000-2018

Leads to recession starts and to recession ends are positive numbers in weeks, lags are negative numbers.



