February 6, 2020

Business Cycle Index

The BCI at 261.4 is up from last week's downward revised 260.7, and is below the previous high for this business cycle indicated by the BCIp of 96.6. However, the 6-month smoothed annualized growth BCIg at 9.3 is below last week's downward revised 9.4. Both BCIp and BCIg are not signaling a recession.

February 7, 2020

Market Signals Summary:

The MAC-US model, iM-Low Frequency Timer, and the S&P500 Coppock are invested in the markets, as is the "3-mo Hi-Lo Index of the S&P500" which entered the market on 10/22/2018. 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 remains invested in gold, however the silver model is in cash. The iM-Gold Timer is invested in gold since 1/21/2020

Stock-markets:

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

The <u>3-mo Hi-Lo Index</u> of the S&P500 is above last week's level at 14.28% (last 13.75%), and is invested in the stock market since 10/22/2019.

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

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:

The current level of iM-LLI is plus 3.76 and is below last week's downward revised 3.80, hence this indicator signals that a recession is unlikely to begin during the next 8 months.

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

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

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 <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 is near last week's level. 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 March 2019 and is invested in gold.

The iM GOLD-TIMER Rev-1 is invested in gold since 1/21/2020.

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 (next update 3/6/2020)

February 7, 2020

Unemployment

The unemployment rate recession model (<u>article link</u>), has been updated with the January UER of 3.6%. The model does not signal a recession.

The Dynamic Linearly Detrended Enhanced Aggregate Spread:

This update is discontinued and replaced by our weekly updated iM-LLI.

CAPE-Cycle-ID

Fig 9a depicts the CAPE-Cycle-ID and the year-on-year rate-of-change of the Shiller CAPE; the level switched from 0 to +2 end of October-2019. This indicator is described here.

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 10½ year annualized real return decreased to 5.9% (previous 6.1) with a 95% confidence interval: 4.5% to 7.3 (previous 4.7% to 7.5%).

iM-GT Timer

The iM-GT Timer, based on Google Search Trends volume switched into the markets on 12/02/2019. This indicator is described here.

Trade Weighted USD

Not included in this PDF. Will be updated later on the website, the weekly FRED data series we used was discontinued and replacement series is daily and runs from 2015. We need to adapt our software and graphics first.

TIAA Real Estate Account

The 1-year rolling return for the end of last month is 4.59%, down from last month. A sell signal is not imminent.

iM imarketsignals.com iM's Business Cycle Index (BCI) 01/09 01/16 01/23 01/30 02/06 Date **BCIp, BCI and BCIg** BClp 85.5 87.1 92.1 96.6 94.1 updated to February 06, 2020 On past performance, BClp = 100 can be interpreted as an average one year "time-to-261.0 BCI 259.7 259.9 260.7 261.4 live" to a recession. 10.2 9.7 9.4 9.4 BClg 9.3 320 100 BCIp: The BCI in off-peak-mode 300 BClp 280 On past performance, when BCIp moved 260 from above to below 25 a recession **BCI: the Business Cycle Index** followed, on average, 240 3300 20 weeks later 5 day average of S&P 500 220 **BCI** 200 180 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 -20 80

01/01/08

01/01/09

01/01/01

01/01/02

01/01/04

01/01/02

01/01/06

01/01/07

01/01/10

01/01/11

01/01/12

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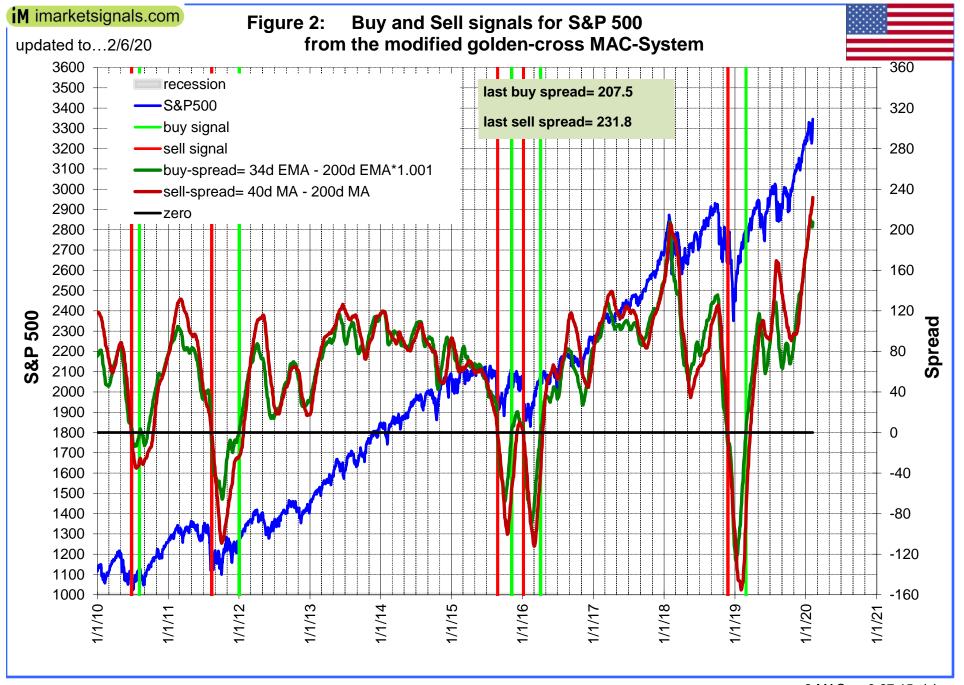
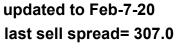
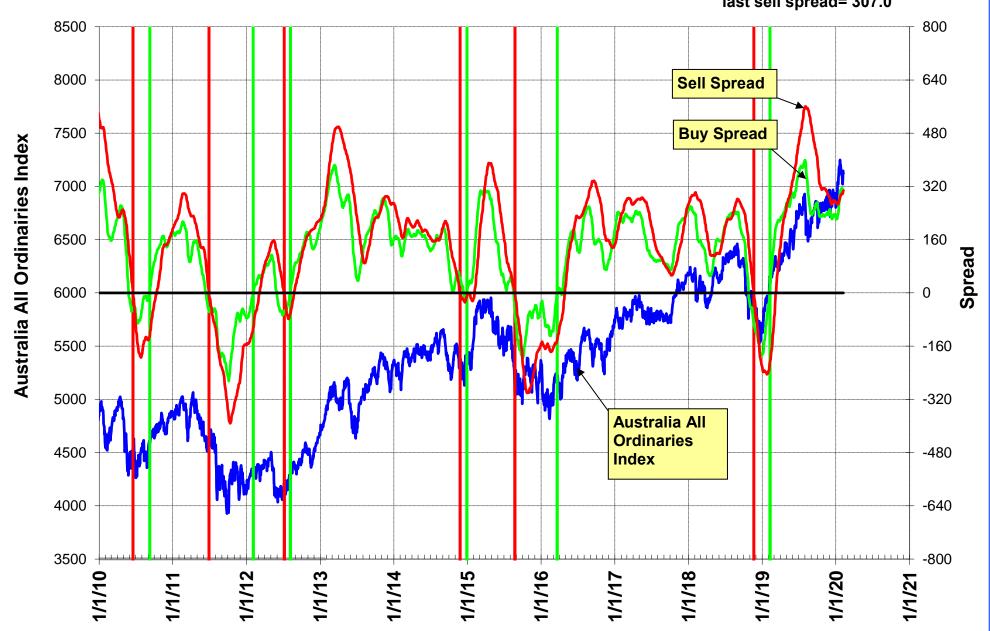
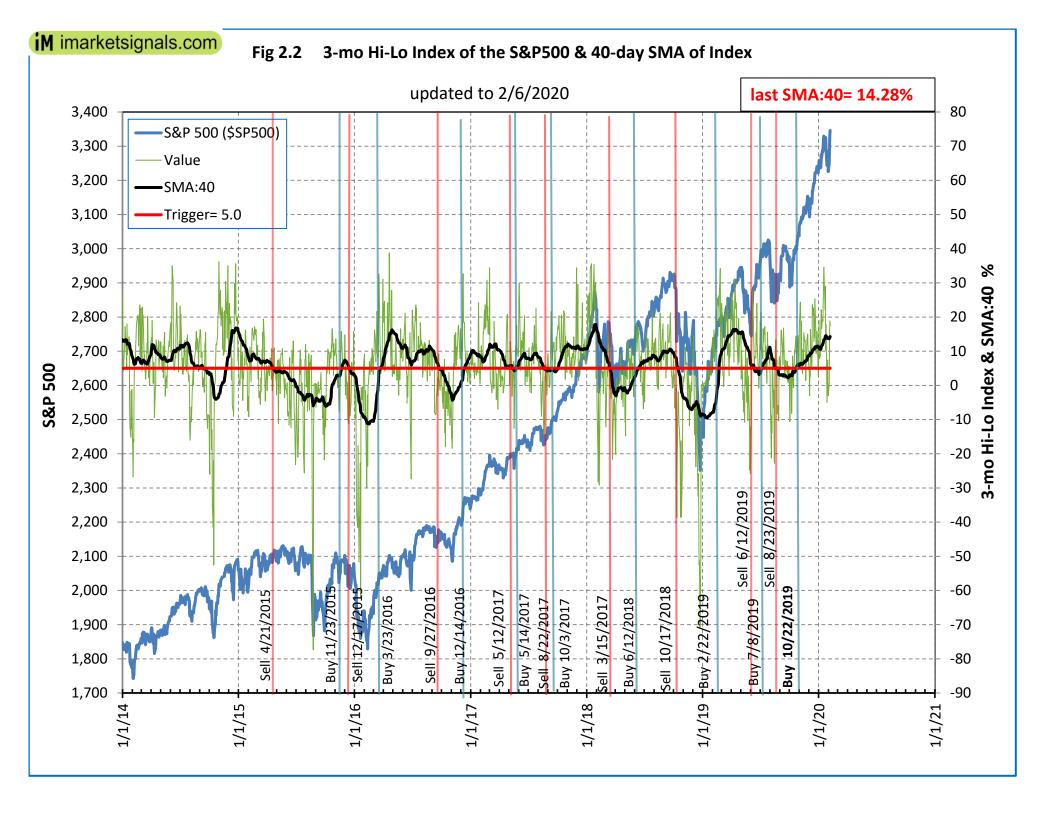


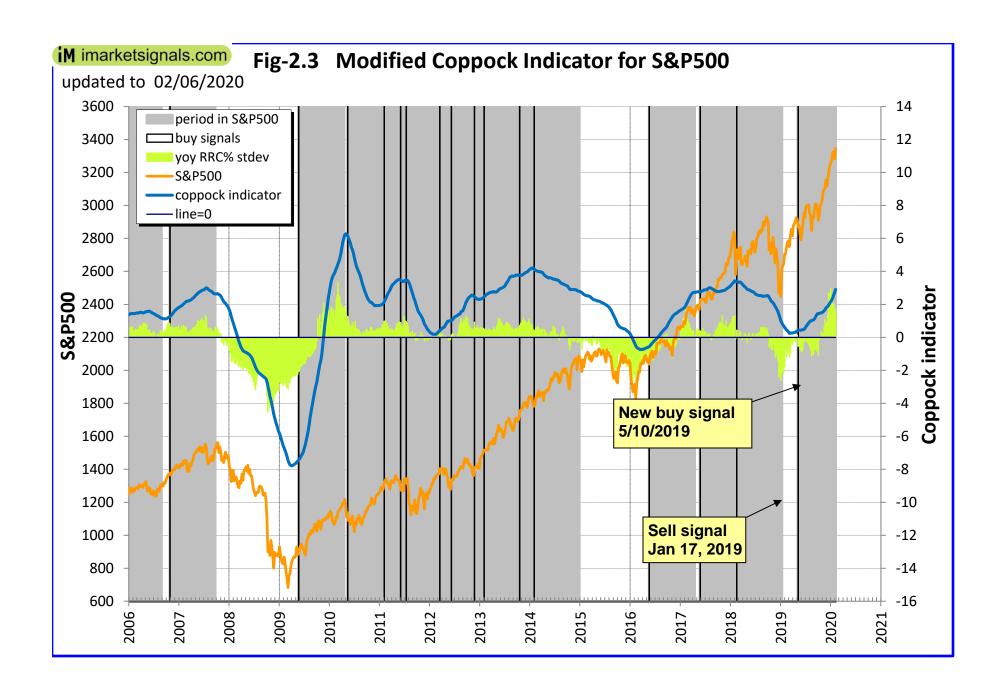
Fig 2.1: Buy and Sell signals for the Australia All Ordinaries Index from the MAC-AU System

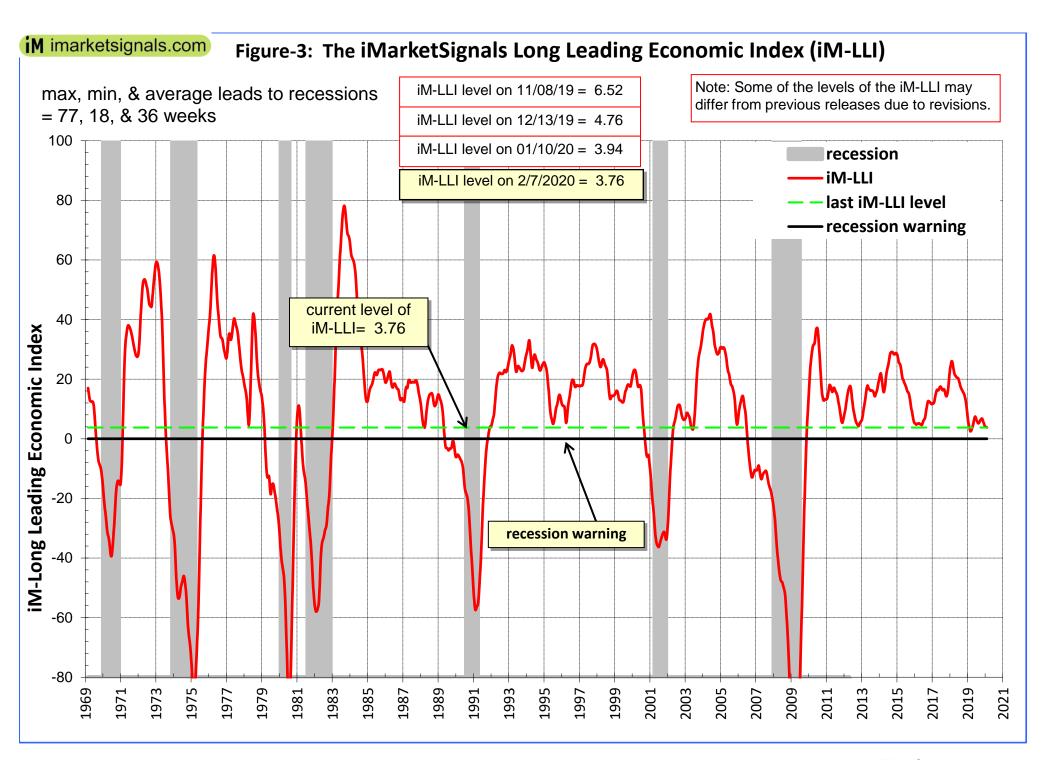


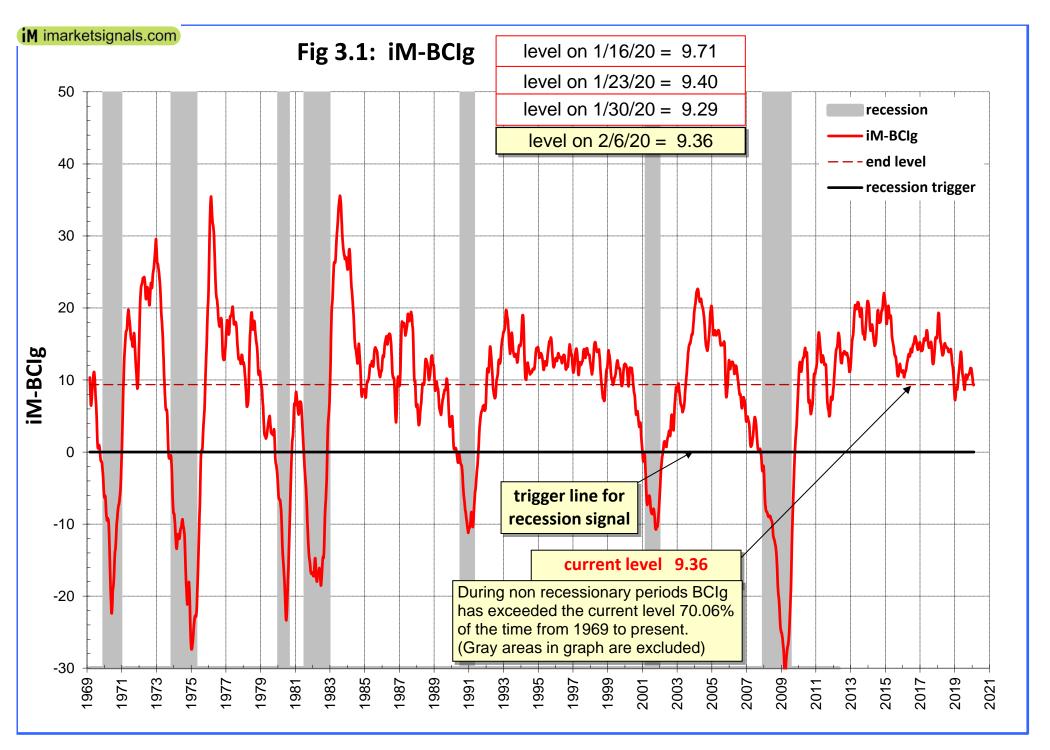


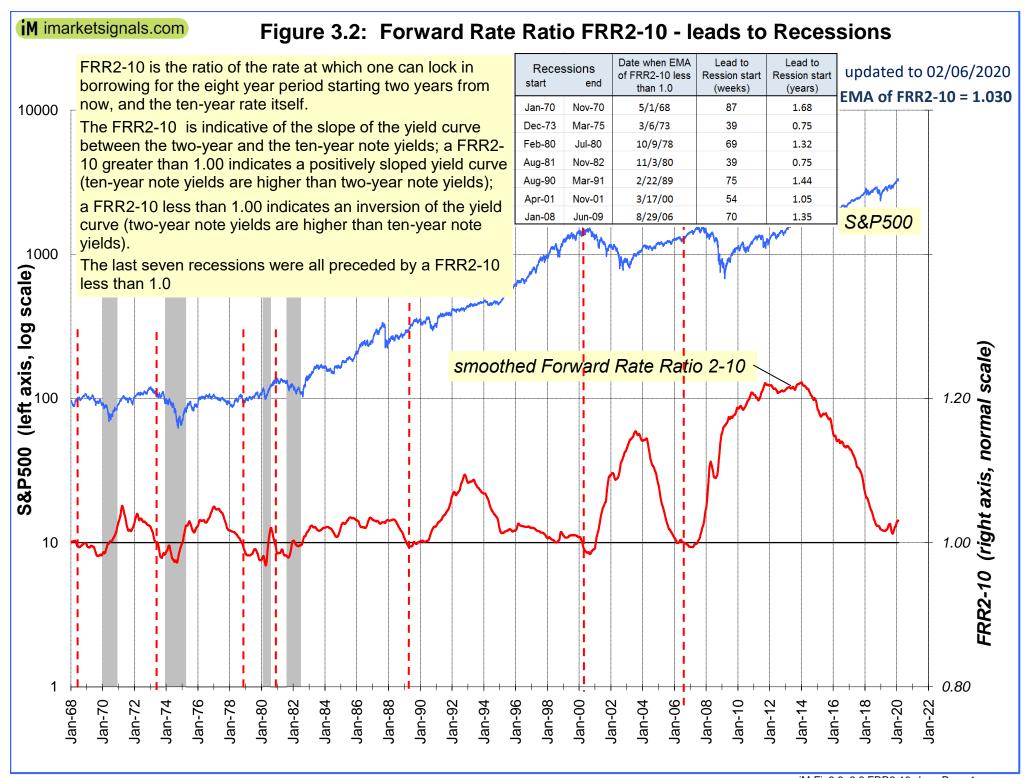


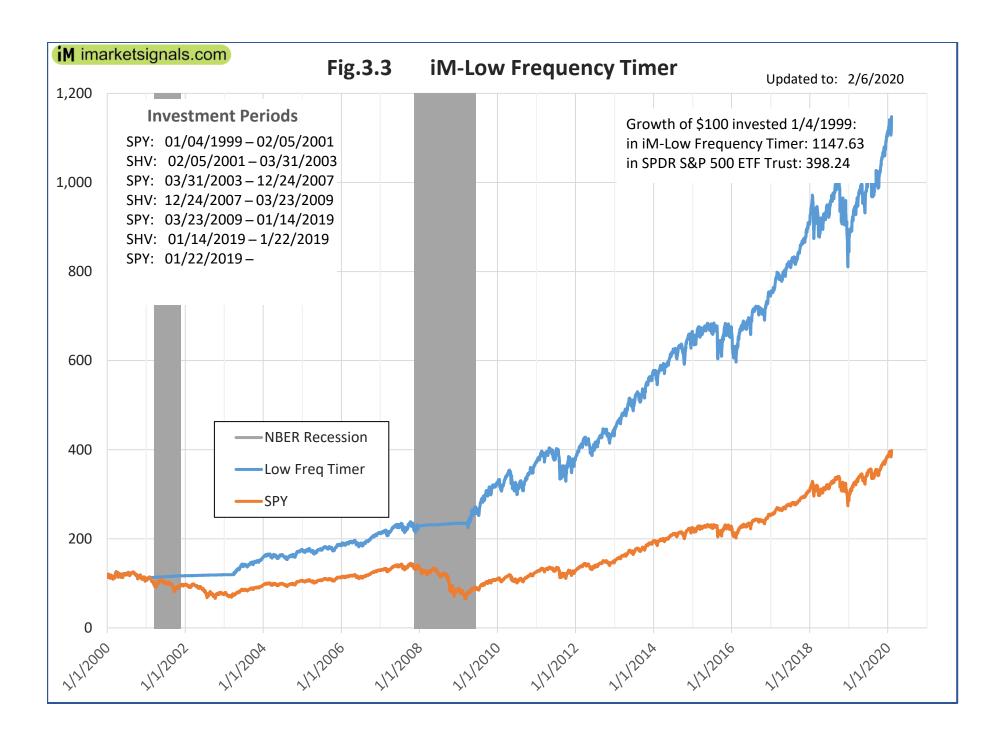


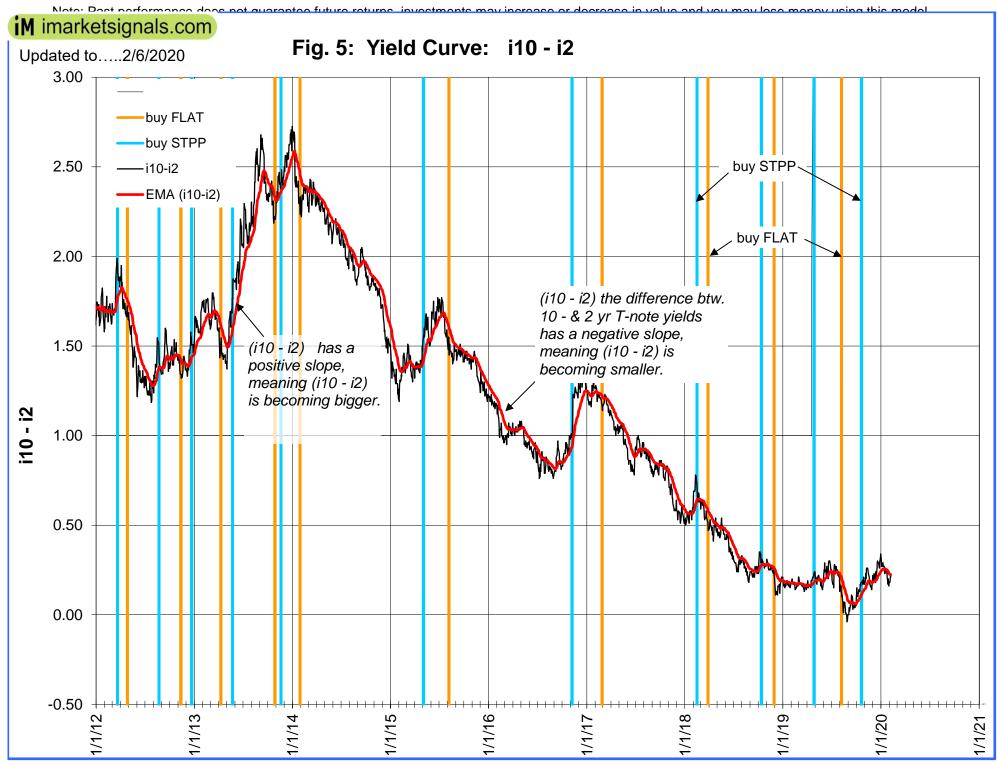


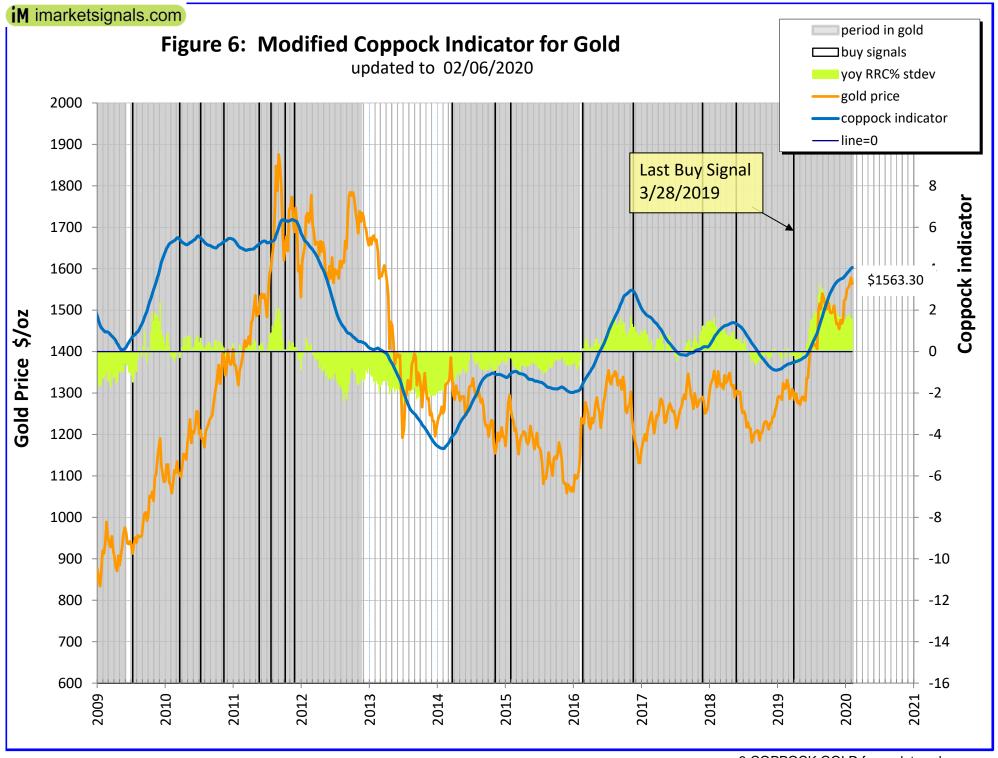


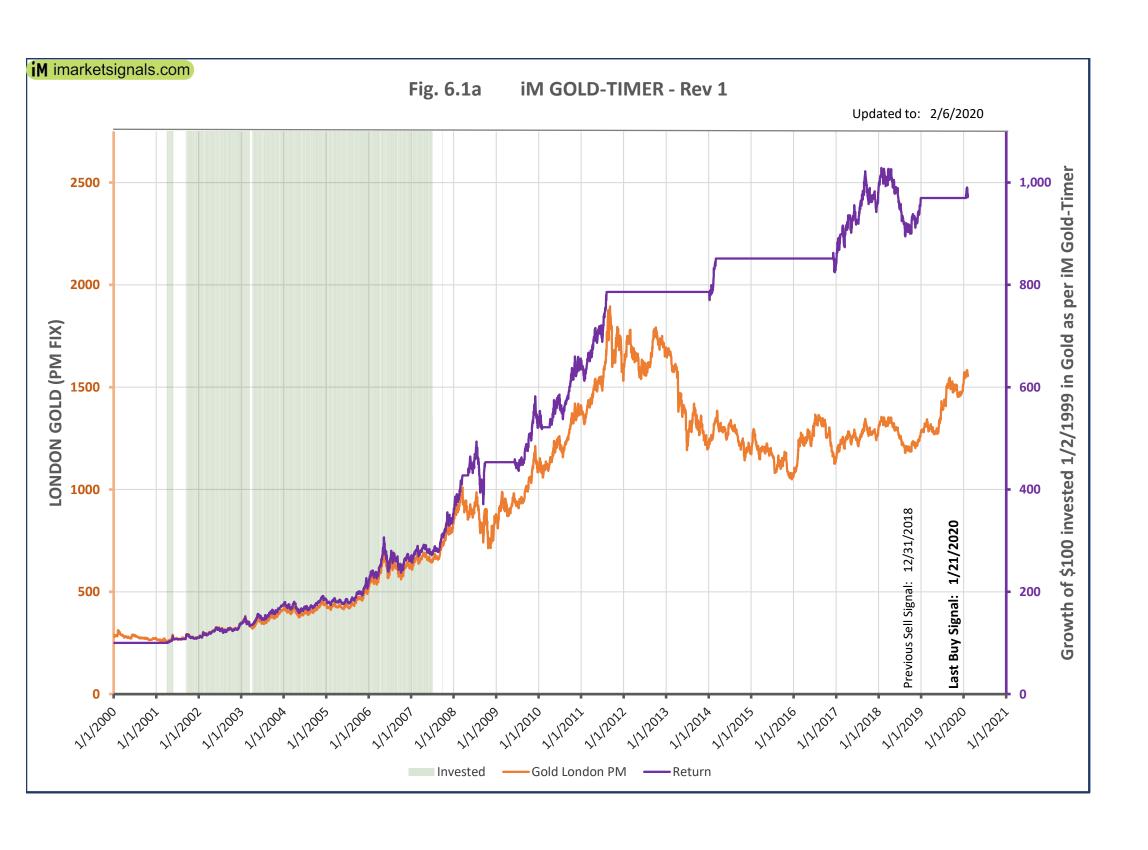












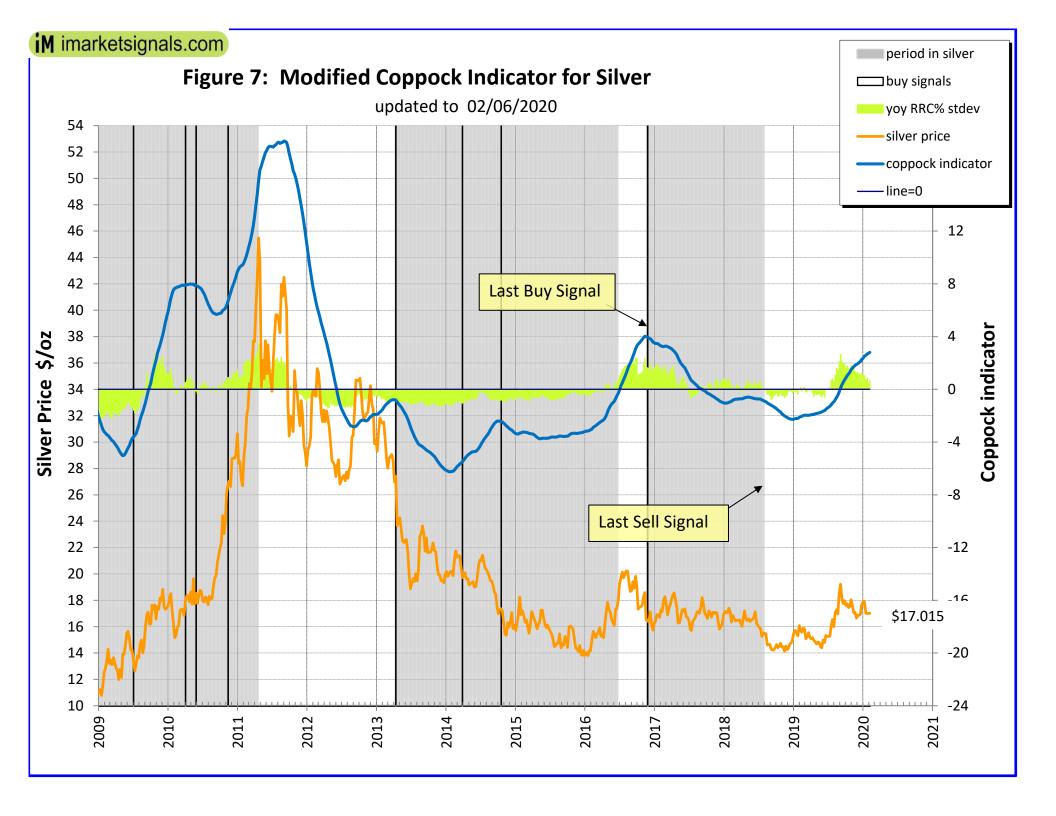


Fig-8 Unemployment Rate and Recessions (real-time) 2000-2019

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



