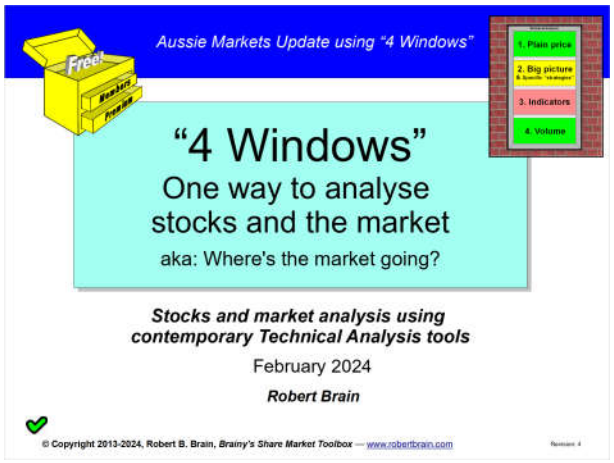
Aussie Markets Update using "4 Windows"
1. Plain price
2. Big picture
3. Indicators
4. Volume
"4 Windows"
One way to analyse stocks and the market
aka: Where's the market going?
Stocks and market analysis using contemporary Technical Analysis tools
February 2024
Robert Brain
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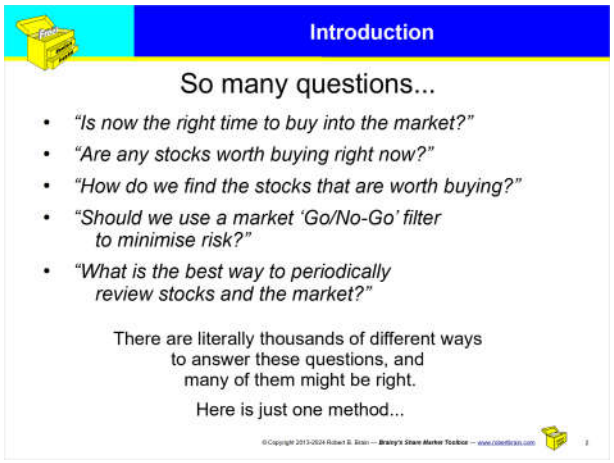
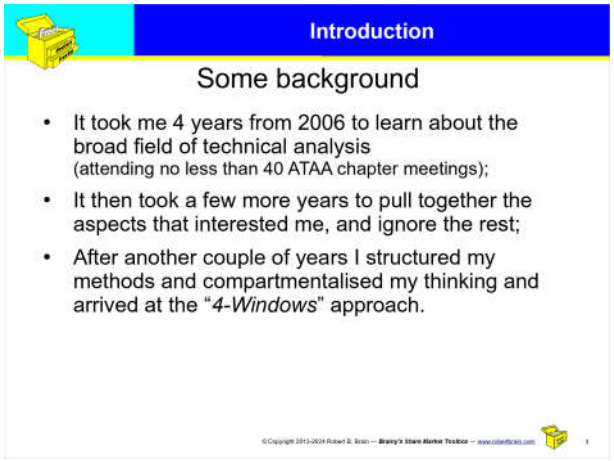

Introduction
So many questions...
"Is now the right time to buy into the market?"
"Are any stocks worth buying right now?"
"How do we find the stocks that are worth buying?"
"Should we use a market 'Go/No-Go' filter to minimise risk?"
"What is the best way to periodically review stocks and the market?"
There are literally thousands of different ways to answer these questions, and many of them might be right.
Here is just one method...


Introduction
Some background
It took me 4 years from 2006 to learn about the broad field of technical analysis (attending no less than 40 ATAA chapter meetings);
It then took a few more years to pull together the aspects that interested me, and ignore the rest;
After another couple of years I structured my methods and compartmentalised my thinking and arrived at the "4-Windows" approach.

Introduction

About this presentation

- This presentation explains “4 Windows” approach;
- Including an analysis of the Australian share market utilising Robert's “4 Windows” approach (using the All Ordinaries XAO index);
- An earlier version was delivered in 2013 to the ATAA chapters in Toowoomba (by webinar) and in-person in Melbourne;
- Even earlier versions were presented in January 2013 in Melbourne, and in July in Brighton (Stock Doctor group);
- And with a lack of time, it includes some old price charts and more than 100 slides!!

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Introduction

Apology for this presentation...

My apology:

- This presentation includes way too many slides;
- So we will need to skip through many slides;
- BUT I will pause long enough so that if you watch the video recording, you can pause viewing on each slide and read the contents of each slide.
- AND all slides will be in the PDF version of the slide set.

One reason for lack of time in removing or updating older slides:

insert photo of adorable 1 year old grandson in high chair eating lunch (pending Mum's approval)

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Introduction

Today's session:

- Explain my “4 Windows” approach;
- Real analysis of Australian share market using key Technical Analysis tools and **current price charts**;
- Some tips to help with learning more about Technical Analysis.

TIP!

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Introduction

No prediction; no forecast!

Understand the underlying market sentiment by interpreting the price charts

Showing "current" price charts can be risky.

- **There is no prediction**
- **There are no forecasts.**

(technical analysis considers the balance of probabilities)

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Introduction

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- This presentation is pure education, only for your general awareness.
- There are no recommendations to take any action, or to invest any money in any way.
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Introduction

Important Notice

No forecasts

No predictions

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Introduction

About... Robert Brain

Nimble Short term Investor
consultant, educator and part-time* share trader
web-based sharemarket-support business

- Many years experience as trainer, presenter, conference facilitator (*Scouts*)
- Share Market – active 20+ years* (slowly at first)
- Chartist ie. technical analyst (ATAA member and national director)
- Provide support and tuition to traders and investors
  Brainy's Share Market Toolbox
- Former member Mensa
- Engineering Degree (structured thinking with an eye for charts and diagrams)
- 30+ years – professional experience (IT and management)
- Do not hold AFS license! (Can't give advice)
- BullCharts software (convenor Australian BullCharts User Group and authorised reseller with special pricing)

Conflict of interest?

* - Not yet enough capital to live off the proceeds of trading (after trading as a hobby until a career change in 2008).

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Introduction

Underlying premise

The price charts of stocks and the market indexes summarise the underlying opinions and emotions of the real market participants.

- Therefore, every chart can tell a story;
- It is very useful to be able to understand the stories in the price charts.

Every chart tells a story. Understand the stories in the charts.

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Introduction

My "4 Windows" approach:

- Plain price charts (line and candles), both short-term and long-term;
- Chart patterns;
- Levels of support and resistance;
- Some chart indicators: Momentum, GMMA, OBV, ...
- Some "favourite" approaches;
- The market is like an elephant!

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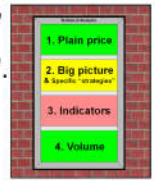
Introduction

If you're looking for "guidance"...

The "4 Windows" approach

will help you to follow the detail, and remember the detail, by using a sensible "framework".



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Firstly:

Is the "big picture" useful?

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Big Picture?

Think about this...

- Is it useful to view long-term charts?
- Day traders might regard just 5 days as long term;
- Short to medium term traders & investors might regard several months or a few years as long term.

Consider the following charts...

[if time is limited, then skip the next 13 or so slides]

Big Picture?

Does this chart mean much?

Big Picture?

A little detail helps a little...

Big Picture?

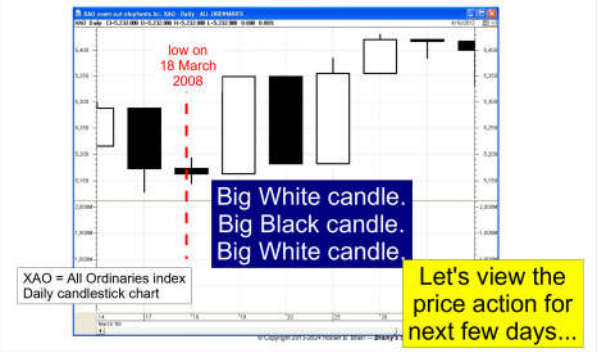
Percentage change & Volume

Big Picture?

3 days of big moves

Big Picture?

Candles show the range each day



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Big Picture?

Zoom out; measure; add volume...

Big Picture?

Zoom out further...

Big Picture?

Zoom out and see more data...

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Big Picture?

The trend is your friend

In the last few slides we have seen a nice rising trend.

If this was a price chart of a stock we might be tempted to join the trend (if we hadn't done so already).

As this chart is the index, we could have bought the index (trading CFDs or the SPI).

BUT, before we jump in, shouldn't we zoom out and look back in time to see where the price has come from?

(perhaps there is a bigger timeframe influence...)

Big Picture?

7 months: October 2007 – May 2008

Looking back in time

Big Picture?

4 months: May 2008 – July 2008

What happened after May?

Big Picture?

The downtrend continued

Big Picture?

This was the infamous GFC

Big Picture?

What did we observe?

In the last few slides we have seen that there was a bigger-picture (aka large timeframe) downtrend in place, and this downtrend continued.

So the nice uptrend that we spotted from March 2008 until May 2008 was simply a short-term retracement within the bigger downtrend.

Lucky we remembered about the elephants...

Big Picture?

So: ***Remember the elephants...***

- It can be very useful to check out the bigger picture...
- Understand what has happened "recently"
- And where the price has come from.

Remember:

The market is like an elephant...
(and if we just stand in the way we might get trampled).

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My weekly routine

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My routine

My approach (every Friday night)

- What is the Australian market doing? (use the All Ordinaries index – XAO)
- If "bearish", then in the days ahead, invest with caution:
  - (1) Don't open multiple positions at same time;
  - (2) Wait until in profit before opening more;
  - (3) Have a tighter Stop Loss;
  - (4) Monitor positions more frequently and cautiously;
  - (5) Be able to close positions quickly if need be;
  - (6) If really bearish, then be prepared to go to all cash.

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My routine

Weekly routine overview

Four key aspects to the weekly routine:

1. Study the **plain price chart** (in different periods);
2. Check **"big picture"** and consider popular "studies" (eg. Stan Weinstein);
3. Use some **T.A. indicators**;
4. Consider **volume**.

This gives me four "views" of the market.

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My routine

Weekly routine overview

My "4 Windows" analysis approach is a good check list, and it offers four different "views":

1. Plain price chart – trends, support, resistance, chart patterns;
2. Coppock (very big picture), Weinstein, candle patterns;
3. Technical analysis indicators;
4. Volume.

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The detail...

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Window 1 – Plain price

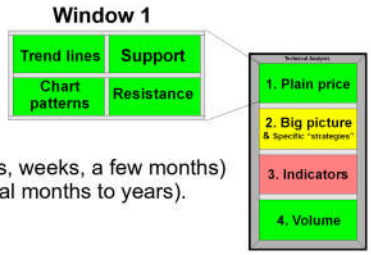
1 – Plain price

Plain price chart (line chart and/or candle chart).

Looking for:

(a) Trend lines
(b) Support
(c) Resistance
(d) Chart patterns

Both short term (days, weeks, a few months) and long term (several months to years).



Window 1 – Plain price

Quarterly, monthly, weekly...?

- The period of the price chart is important:
  - Quarterly
  - Monthly
  - Weekly
  - Daily

Which one(s) should we use?

Window 1 – Plain price

Quarterly, monthly, weekly...?

- The period of the chart is important:
  - Quarterly
  - Monthly
  - Weekly
  - Daily

We should be studying at least two periods

- The **daily price** can be considered most important...

TIP!

BUT WHY?

Let's see in the next few slides...

Window 1 – Plain price

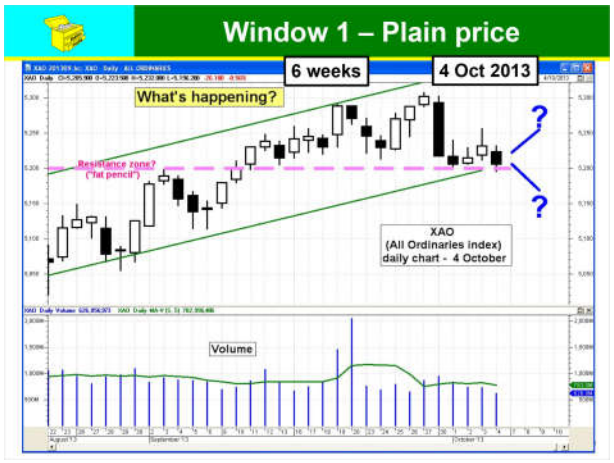
Daily chart is important

- The daily price chart does show extraneous and distracting "noise" as the price swings up and down;
- But the weekly chart does not do a good enough job of showing the moves that take place during the week;
- The extremes of price can be useful to see, especially if there are multiple extremes to a specific price level.

[if time is limited, then skip the next few slides]

Window 1 – Plain price

Window 1 – Plain price



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Window 1 – Plain price

Window 1 – Plain price

Trend lines, support levels, patterns...

These chart features are caused by: ...

- the real market participants (not the *commentators*),
- who have different opinions about what a share is actually worth, and
- their opinions can converge towards agreement, or diverge in disagreement, and
- news (eg. company announcements) can easily change the opinions and move the price, and
- broker buy/sell/hold recommendations can also influence the investors and traders to buy or sell.

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Window 1 – Plain price

"Fat Pencil"? – Remember:

- The XAO index is an aggregation of about 500 stocks;
- And is heavily weighted to the large-caps;
- And a "fat pencil" is valid when drawing Support and Resistance levels, and chart patterns.

Also:

- Need to "zoom out" and check the bigger picture because *the market is like an elephant...*

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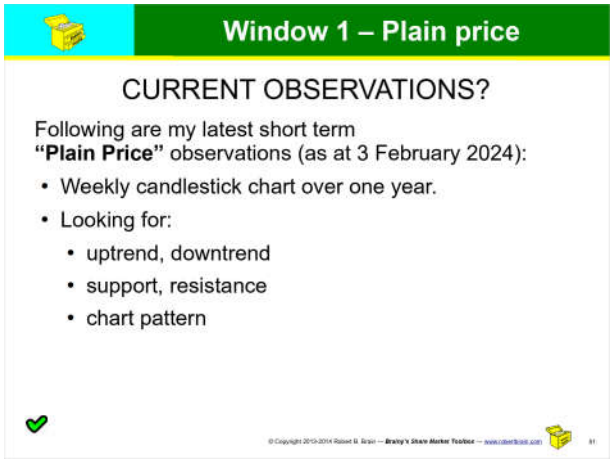
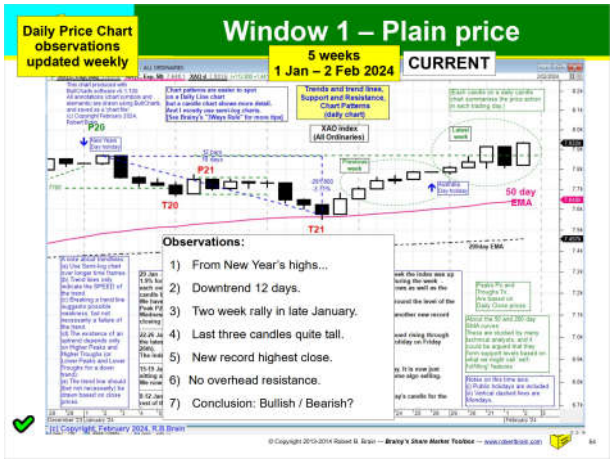
Window 1 – Plain price
Updated
4 Oct 2013
Plain Price observations:
trends, support, resistance,
chart patterns
April
2011
May
2013
"Sell in May
and go away?"
August 2011
Approximates* to
Expanding Wedge
(megaphone)
May
2012
?
No obvious
support levels?
Ascending
Triangle
* - Remember, the XAO index aggregates 500 stocks.

Window 1 – Plain price
4 Oct 2013
Plain Price observations:
trends, support, resistance,
chart patterns
Trend slope?
How steep is too steep before a
retracement has to occur?
The steepness
of trend lines?
Too steep is
not sustainable.
Past up trends
32 weeks
21 weeks
16 weeks
TIP!


Window 1 – Plain price
CURRENT OBSERVATIONS?
Following are my latest short term
"Plain Price" observations (as at 3 February 2024):
• Weekly candlestick chart over one year.
• Looking for:
• uptrend, downtrend
• support, resistance
• chart pattern

Window 1 – Plain price
CURRENT
Weekly Chart observations updated weekly (see comments on next slide)
50 week EMA

Window 1 – Plain price
13 months Jan 2023 – Feb 2024
CURRENT
Observations:
1) Broad multi-month trading.
2) 9-week pre-Christmas rally up 11%.
3) Early January 3-week retracement.
4) Latest 2 weeks – Record highest close.
5) Index above 50 and 200 week Moving Average.
6) Conclusion: Bullish / Bearish?
Weekly Chart observations updated weekly
50 week EMA


Daily Price Chart observations updated weekly
Window 1 – Plain price
5 weeks 1 Jan – 2 Feb 2024
CURRENT
Observations:
1) From New Year's highs...
2) Downtrend 12 days.
3) Two week rally in late January.
4) Last three candles quite tall.
5) New record highest close.
6) No overhead resistance.
7) Conclusion: Bullish / Bearish?
50 day EMA

Window 1 – Plain price

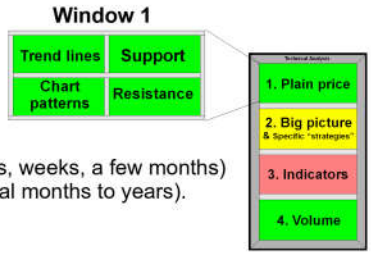
1 – Plain price re-cap

Plain price chart (line and/or candles).

Looking for:

(a) Trend lines
(b) Support
(c) Resistance
(d) Chart patterns

Both short term (days, weeks, a few months) and long term (several months to years).



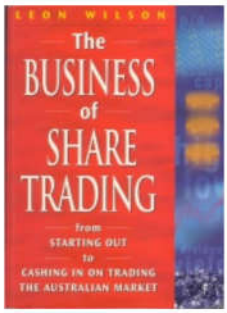
Window 1 – Plain price

Plain price ~ "Primary analysis"

BTW

Leon Wilson talks about this in his book:

The Business of Share Trading

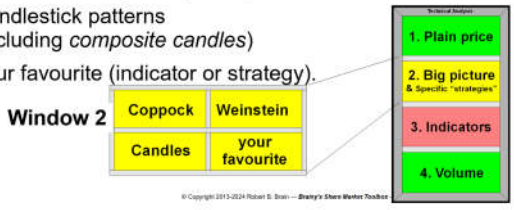


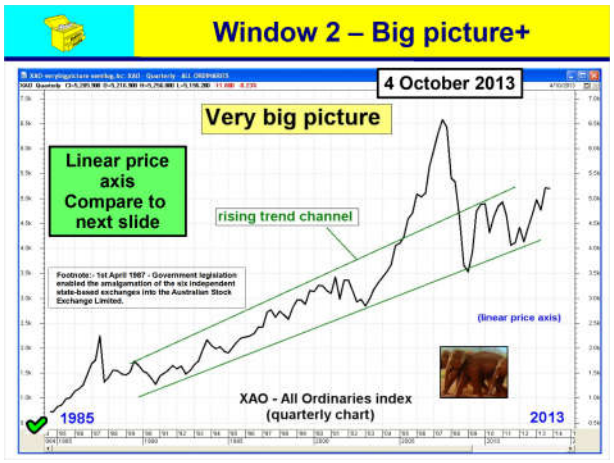
Window 2 – Big picture+

2 – Big picture + more...

Very big picture + own preferred "strategies"

- Reminder to look at long-term view
- Coppock indicator or other (very long term)
- Weinstein view (weekly chart)
- Candlestick patterns (including *composite candles*)
- Your favourite (indicator or strategy).





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Window 2 – Big picture+

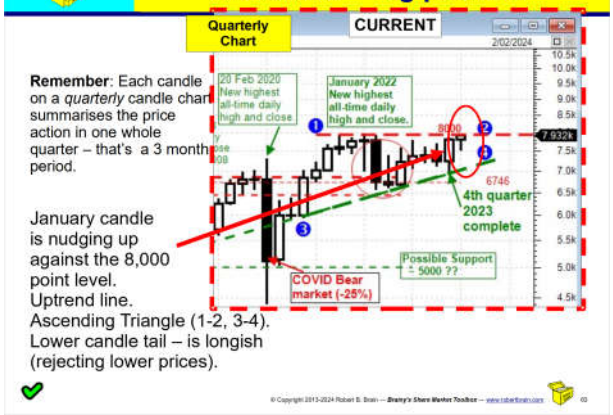
CURRENT OBSERVATIONS?

Following are my latest "Big Picture" observations (as at 3 February 2024):

- **Quarterly candlestick chart over several years (~16 in this case).**
- Looking for:
  - uptrend, downtrend
  - support, resistance
  - chart pattern

Window 2 – Big picture+

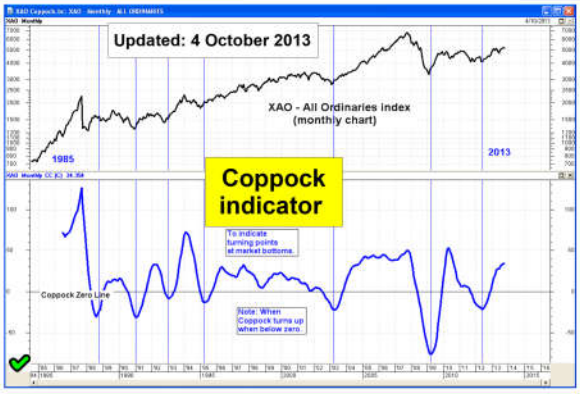
Window 2 – Big picture+



Remember: Each candle on a *quarterly* candle chart summarises the price action in one whole quarter – that's a 3 month period.

January candle is nudging up against the 8,000 point level.
Uptrend line.
Ascending Triangle (1-2, 3-4).
Lower candle tail – is longish (rejecting lower prices).

Window 2 – Big picture+



Window 2 – Big picture+

Window 2 – Big picture+

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Window 2 – Big picture+

Weinstein – CURRENT OBSERVATIONS?

Following are my latest "Big Picture" observations (as at 3 February 2024):

- **Simple line chart;**
- **Weinstein approach;**
- Looking for:
  - index above Moving Average
  - Moving Average rising
  - Stage Analysis

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Window 2 – Big picture+

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Window 2 – Big picture+

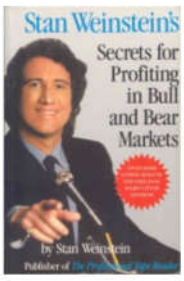
Who is Weinstein?

Secrets for Profiting in Bull and Bear Markets

Stan Weinstein, 1988

About the best book for novices in TA.

And he won't write another.



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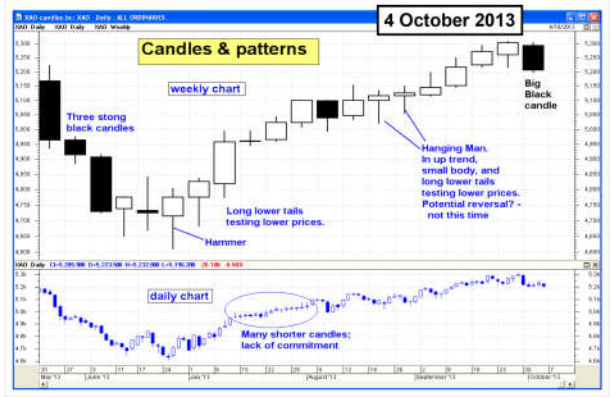
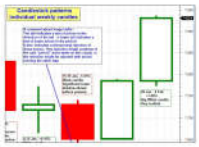
Window 2 – Big picture+



Window 2 – Big picture+

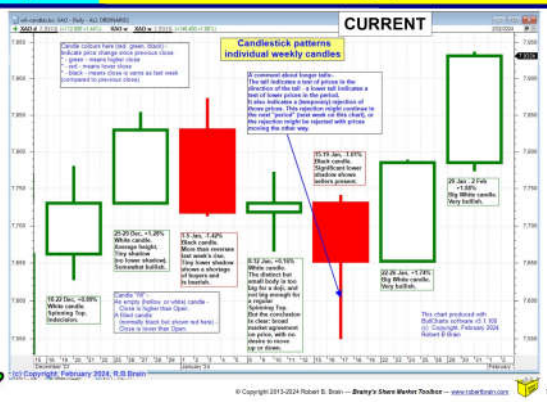
Candles – CURRENT OBSERVATIONS?

Following are my latest "Big Picture" observations (as at 3 February 2024):



- **Weekly candle chart;**
- Looking for and observing:
  - candle pattern(s)
  - height of candle bodies
  - presence (or absence) and length of shadows
  - one candle's location relative to the previous.

Window 2 – Big picture+

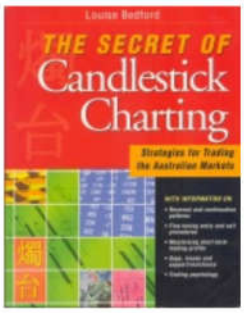


Window 2 – Big picture+

A book on candles?

The Secret of Candlestick Charting

Louise Bedford

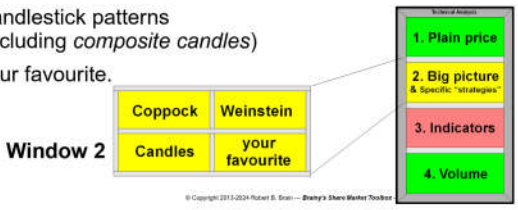


Window 2 – Big picture+

2 – Big picture + more... Recap

Very big picture + own preferred "strategies"

- Long-term view
- Coppock indicator (very long term)
- Weinstein view
- Candlestick patterns (including *composite candles*)
- Your favourite.



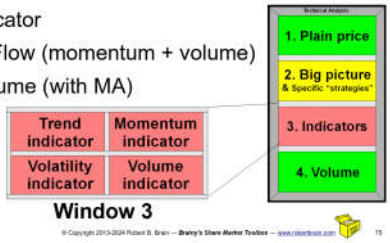
Window 3 – Indicators

3 – Indicators

Note: some people don't use chart indicators at all.

But my favourite indicators include:

- GMMA – trend "health" (short and longer term)
- Momentum indicator
- Twiggs Money Flow (momentum + volume)
- On Balance Volume (with MA)



Window 3 – Indicators

GMMA – key characteristics

For a healthy uptrend:

- **Red group** of averages:
  rising nicely and all roughly parallel
- **Blue group** of averages:
  gently compressing and expanding
- Gap between the red group
  and blue group.

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Window 3 – Indicators

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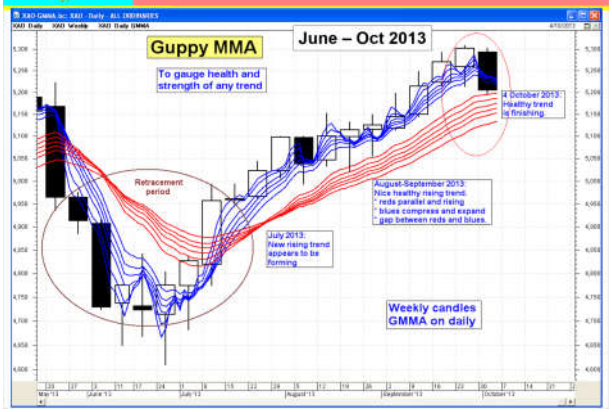
Window 3 – Indicators



Window 3 – Indicators

GMMA – CURRENT OBSERVATIONS?

One of my favourites, latest "Big Picture" observations (as at 3 February 2024):

- **GMMA (weekly EMA) on Weekly candle chart;**
- **Using weekly EMA curves**
  (blue: 3, 5, 8, 10, 12, 15, red: 30, 35, 40, 45, 50, 60)
- Looking for and observing:
  - Blue averages gently compress and expand
  - Red averages trending higher
  - Gap between blues and reds.

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Window 3 – Indicators

Window 3 – Indicators

GMMA – CURRENT OBSERVATIONS?

Following are my latest (shorter term) observations (as at 3 February 2024):

- **GMMA (daily EMA) on weekly candle chart;**
- Looking for and observing:
  - the group of red averages – rising nicely and roughly parallel to each other;
  - the group of blue averages – uptrending and gently compressing and expanding;
  - a gap between the two groups.

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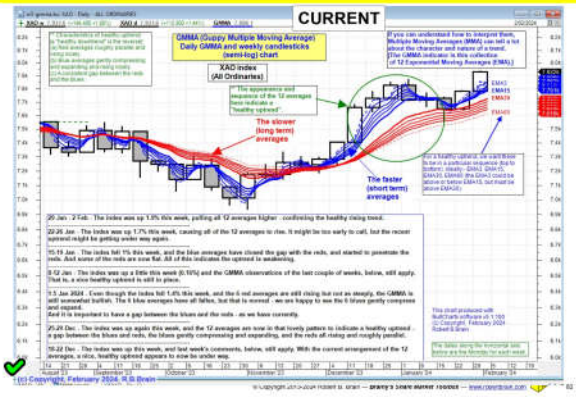
Window 3 – Indicators



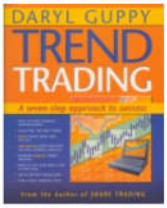
Window 3 – Indicators

GMMA – key characteristics

For a healthy uptrend:

- **Red group** of averages:
  rising nicely and all roughly parallel
- **Blue group** of averages:
  gently compressing and expanding
- Gap between the red group
  and blue group

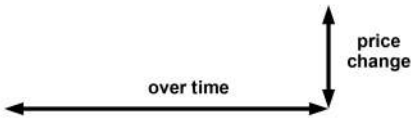
A book?
Trend Trading, Daryl Guppy



Window 3 – Indicators

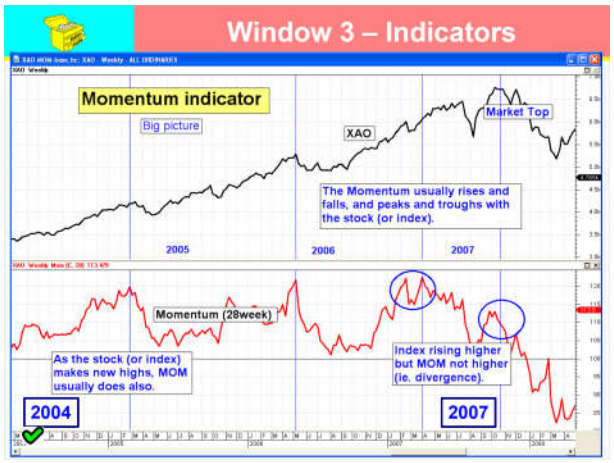
Momentum indicator

Measures the change in price
over a specified time period.

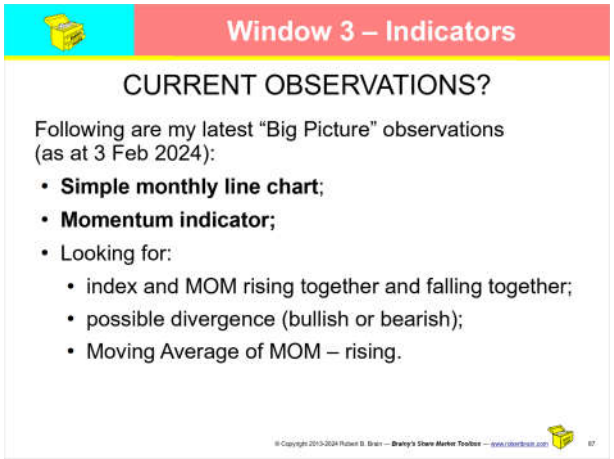


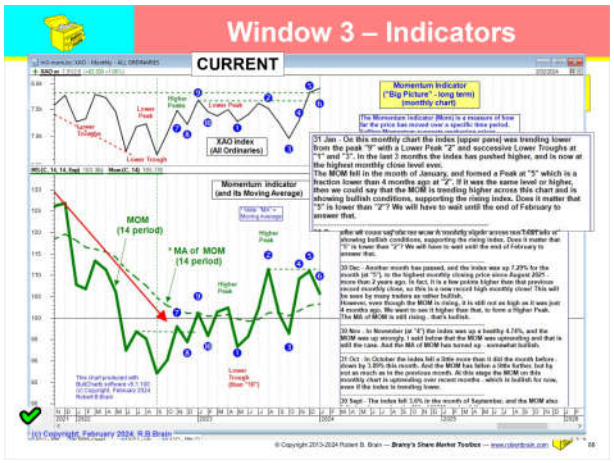
Look for divergence
(also relevant on other indicators).

TIP!


Window 3 – Indicators
Momentum indicator
Big picture
XAO
Market Top
The Momentum usually rises and falls, and peaks and troughs with the stock (or index).
2005
2006
2007
Momentum (28week)
As the stock (or index) makes new highs, MOM usually does also.
Index rising higher but MOM not higher (ie. divergence).
2004
2007

Window 3 – Indicators
Momentum indicator
Big picture
XAO
Market Top
Bearish Divergence forewarned of the 2008 bear market
The Momentum usually rises and falls, and peaks and troughs with the stock (or index).
2005
2006
2007
Momentum (28week)
As the stock (or index) makes new highs, MOM usually does also.
Index rising higher but MOM not higher (ie. divergence).
2004
2007


Window 3 – Indicators
CURRENT OBSERVATIONS?
Following are my latest "Big Picture" observations (as at 3 Feb 2024):
• Simple monthly line chart;
• Momentum indicator;
• Looking for:
• index and MOM rising together and falling together;
• possible divergence (bullish or bearish);
• Moving Average of MOM – rising.


Window 3 – Indicators
CURRENT
Momentum Indicator
("Big Picture" - long term)
(monthly chart)
XAO Index
(All Ordinaries)
Momentum Indicator
(and its Moving Average)
MOM
(14 period)
MA of MOM
(14 period)
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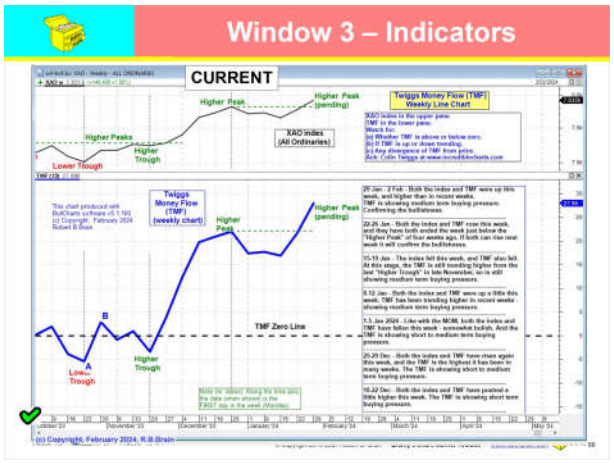
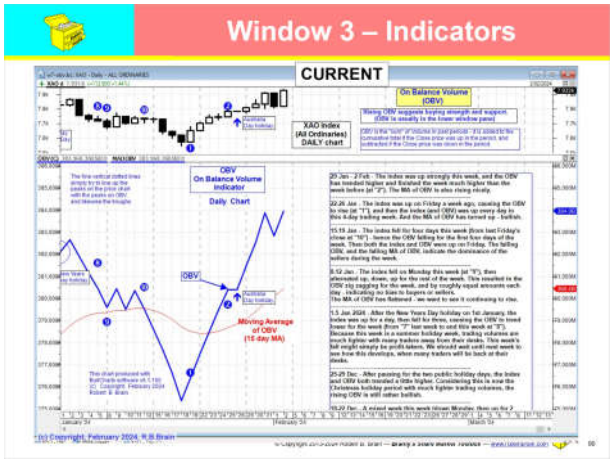

Window 3 – Indicators
CURRENT
Twiggs Money Flow (TMF)
Weekly Line Chart
XAO Index
(All Ordinaries)
Higher Peak
(pending)
Higher Peaks
Higher Troughs
Lower Trough
Twiggs
Money Flow
(TMF)
(weekly chart)
TMF Zero Line
A
B
Lower
Trough
Higher
Trough
(c) Copyright, February 2024, R.B.Brain


Window 3 – Indicators
CURRENT
On Balance Volume
(OBV)
XAO Index
(All Ordinaries)
DAILY chart
OBV
On Balance Volume
Indicator
Daily Chart
OBV
Moving Average
of OBV
(10-day MA)
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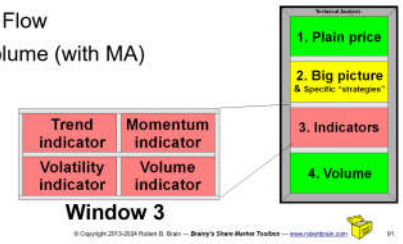
Window 3 – Indicators

3 – Indicators recap

My favourite indicators:

- GMMA – trend "health" (short and longer term)
- Momentum indicator
- Twiggs Money Flow
- On Balance Volume (with MA)



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Window 4 – Volume

4 – Volume

Volume is very important:

- Consider the volume relative to previous periods
- Look at:
  - Weekly chart over long term
  - Daily chart over recent weeks
- Use Moving Average of volume
- When trading, also consider: Trades and Value.

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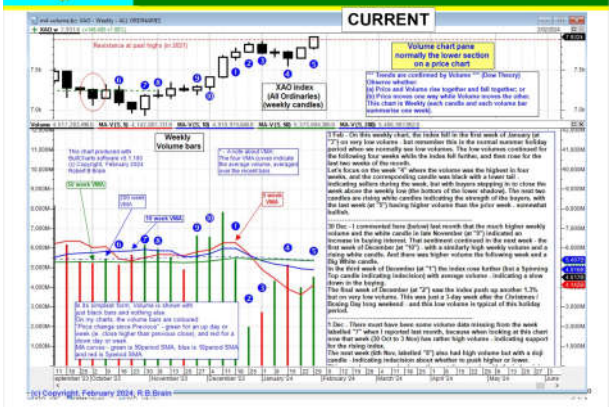
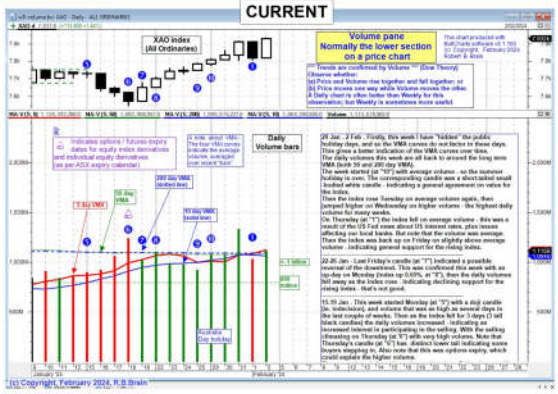
Window 4 – Volume



Window 4 – Volume



Window 4 – Volume

4 – Volume – recap

Volume is important

- Consider the volume (relative to previous periods)
- Look at:
  - Weekly chart over long term
  - Daily chart over recent weeks
- Use Moving Average of volume
- When trading, also consider: Trades and Value.

Window 4

Volume	
Trades	Value

Summary & Wrap up

Overall conclusions?

- What do you think about the current market?
- Can we conclude: bullish or bearish?
- Is it useful to draw a conclusion to be bearish or bullish?

Where is the market going now?...

- I can't provide prediction or forecast!
- You can consider each aspect on the earlier slides and then decide.

Summary & Wrap up

Key points

- Always consider ***big picture*** because the ***market is like an elephant...***
- ***Daily close*** price is very important
- Technical analysis ***indicators*** can be useful
- Look for ***divergence*** on indicators
- ***Volume*** is important.

TIP!

TIP!

TIP!

The "4 Windows" approach

- A good "framework" and check list
- Also apply to individual stocks, as well as a market index.

Technical Analysis

1. Plain price
2. Big picture & Specific "strategies"
3. Indicators
4. Volume

Summary & Wrap up

How to implement?

- Identify your own stock universe, and eye-ball the price charts – but this might be many.
- Use some sort of market scanning tool to look for those stocks meeting your own criteria which is a topic for another day.

BTW – My favourite is BullCharts software.

Summary & Wrap up

Summary

- Analysis of the Aussie market – Done
- Brief look at the "4 Windows" approach
- How to implement?

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Summary & Wrap up

THANK YOU

Robert analyses the market (as shown here) every Friday night and shares the charts with ***Share Market Toolbox*** Members.

These slides will be on the ATAA web site soon.
and in my Share Market Toolbox:
www.robertbrain.com/presentations/

The "4 Windows" approach:
www.robertbrain.com/4-windows/

BullCharts - my favourite charting software.

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Summary & Wrap up

Don't forget my Toolbox

- Brainy's ***Share Market Toolbox***
  - (1) www.robertbrain.com
  - (2) Loads of eBook (PDF) Articles
  - (3) Info: share market, charting, BullCharts
  - (4) Weekly Market Updates and Watch List
- Good charting software – BullCharts
  www.robertbrain.com/bullcharts/
- My contact details:
  web site above, or phone: 0438 355 910

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