



# Brainy's Trading News and BullCharts Tips Monthly e-Newsletter Articles

Edition #11  
30 Sept 2009

This article  
is free\*

## Special preview of *Brainy's monthly eNewsletter articles\**

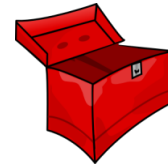
This pdf file contains only the **first page** of each of the articles that are available in this month's eNewsletter for subscribers.

This special preview is available for anyone to peruse. Please feel free to forward it to anyone else — no problem.

The sad news is that if you want to see the subsequent pages in each article, you do need to subscribe. A lot of work goes into their preparation, so we can't just give them away for free.

For more details, please visit my  
**Share Market Toolbox web site:**

[www.robertbrain.com](http://www.robertbrain.com)



**Successful investing,**

***Robert (Brainy) Brain***

\* *Brainy's monthly eNewsletter articles* are a collection of documents (each up to 4 pages), on three different topics — Share Trading, Technical Analysis and BullCharts software.

**How many articles?**

**How many pages?**

**In the first 11 months articles:**

a total of 51 articles,  
totalling 176 pages of text!!

**Summary Statistics — are on the next page .../**



# Brainy's Trading News and BullCharts Tips Monthly e-Newsletter Articles

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## Summary Statistics

A summary of the first few Monthly eNewsletter articles:

- In the first 11 months articles:
- a total of 51 articles, totalling 176 pages of text on the following topics:-

Edition #	Month	Share Trading	Technical Analysis	BullCharts
1	Oct 2008	(a) Overview (b) Styles, Plans, Strategies	(a) Trends, Trendlines (b) Moving Average	Line Studies
2	Nov 2008	(a) Trading Styles and Template; (b) Trading Plans and Template	Parabolic SAR indicator	(a) Scans — Author Scan sample (b) Scans — Key Features
3	Jan 2009	Understanding share prices	Support and Resistance	(a) Scan — introduction (b) BullCharts backup and restore
4	Feb 2009	Position Sizing (including a Position Size Calculator)	(a) Time periods on charts; (b) Price chart details	BullCharts IntelliCharts features
5	Mar 2009	Correlation — what is it?	(a) Bollinger Bands; (b) OBV indicator	(a) BullCharts Toolbars; (b) Entering other stock codes.
6	Apr 2009	Trading Strategies and Template	Indicator and chart tools for Stops	(a) Workspaces; (b) BullScan Manager
7	May 2009	Trading Journal and Diary (plus 3 templates)	(a) Triangle chart patterns; (b) Momentum indicator.	(a) Templates; (b) Workspaces Part2
8	Jun 2009	(a) Strategy considerations. (b) Strategy — Volume and Liquidity.	Stop loss basics	(a) Price chart basics. (b) Search for stock code.
9	Jul 2009	Stop Loss — why is it important?	Dow Theory	(a) How to save text and annotations (b) Indicators and the indicator toolbar
10	Aug 2009	(a) Sample Trading Strategies — Introduction; (b) Sample Trading Strategy — Stan Weinstein	Weinstein's 30-week SMA + Stage Analysis for the Index	(a) Author Strategies — What are they? (b) Author Strategies — Stan Weinstein
11	Sep 2009	(a) Sample Trading Strategies — Introduction (repeated); (b) Sample Trading Strategy — Alan Hull	(a) Moving Average Explained; (b) Alan Hull — MMA, Range, ROAR	(a) Author Strategies — What are they? (repeated) (b) Author Strategies — Alan Hull



# Brainy's articles on Share Trading

## Sample trading strategies introduction

Article No:  
**ST-6400**  
page 1 of 2  
31 Aug 2009

This article  
is free\*

### **Introduction**

Many people who start out to trade in shares have early disappointments, and they lose money. There are many reasons why this can happen.

Many people hear about a “trading strategy” that “seems” to be profitable. So they try to implement the strategy without really understanding it, and without first putting it to the test. In addition to that, personal emotions and psychology can have a great impact. Not understanding the financial instrument can also make a big difference between success and failure. Also, the strategy might work with some stocks and not with others.

This brief article in Brainy's series on Share Trading (number ST-6400) provides an introduction to, and a warning about, the seemingly good idea of just picking up someone else's trading strategy for implementation. It is not necessarily as easy or as successful as it seems.

***This article is a pre-cursor and a warning to the following articles which cover some sample trading strategies that focus on information that has been published by famous book authors and traders in their own text books and written materials.***

Read on for some key details.

### **What? One trading rule is not enough?**

When embarking on share trading, it is very important to have a Trading Plan, and at least one Trading Strategy (for details see Brainy's various articles on Trading Plans, Trading Strategies and Templates, with article numbers ST-24xx).

Not only should you already have your plan and strategy clearly defined, but it is important that they are written down concisely. Remember that a trading strategy is basically a predetermined set of rules for making trading decisions. That is, a “set of rules”. How many rules do you need in the set of rules? What sort of rules do we need? Unfortunately there is not one single correct answer to these questions. It is a lot more complex than that.

Now your own Trading Strategy might include one concise rule such as “*price must be above the 30-week Moving Average*”. This is simple, and certainly on the right track. But this single rule on its own is not guaranteed to be successful. It would be wise to incorporate additional totally different rules into the strategy.

And the exit criteria is critical. A successful trade entry rule can be totally ruined with a poor exit rule.

The sample trading strategies in the articles that follow need to be taken for what they are — sample strategies that might work for some people and not for others.

### **What works for one might not work for another**

It is important to realise that it is possible for two people to both implement the same Trading Strategy with very different results. One person could be very successful, and the other might be a failure.

One reason for this is the actual buy and sell process. There could be slippage on the actual prices. That is, when you place the buy order in the market, you might find the order filled at a price that is a little different to the intended price. Two people might realise slightly different buy prices, and slightly different sell prices. One person might use a conditional sell order to sell on the spot, while the other might sell at market price on the next day.

It is possible that a trading strategy is good at giving buy signals; but does not clearly cover the aspect of when to sell. Two people using the same trading strategy for purchase might use totally different exit strategies and then see totally different trading results.

So, a strategy that works for one person might not work for another.



# Brainy's articles on Share Trading

## Sample trading strategies

### Alan Hull

Article No:  
**ST-6420**  
page 1 of 2  
28 Sept 2009

This article  
is free\*

### Introduction

Alan Hull is a well-known Melbourne-based share trader and author. He specialises in helping others to trade and invest in Blue Chip shares.

Alan has authored several books including "*Blue Chip Investing*" and "*Active Investing - a complete answer*", both published by Wrightbooks (the Australian business and finance publisher, now an imprint of international publishers John Wiley — <http://au.wiley.com>). More information about Alan's books is available from [www.alanhullbooks.com.au](http://www.alanhullbooks.com.au).

Alan also speaks extensively throughout Australia, and publishes newsletters including the ActVest newsletter, and the weekly Blue Chip report. Alan has much information available from his web site [www.alanhull.com](http://www.alanhull.com).

Alan utilises a combination of Fundamental and Technical Analysis, and some of Alan's methods are incorporated as scans or indicators in the BullCharts charting software.

This article in Brainy's series on Share Trading (number ST-6420) provides a brief overview of some of Alan's teachings, and should be read in conjunction with the Technical Analysis article number TA-6150, "*Alan Hull — MMA, Range, ROAR*", and the BullCharts article number BC-26-200, "*Author Strategy — Alan Hull*".

### Strategy overview

Alan Hull promotes the following elements:

- Active investing — using a combination of fundamental and technical analysis.
- Focus on the shares of blue chip companies.
- Take note of the Rate of Annual Return (ROAR), and avoid stocks with a low ROAR.
- Study the price chart with Multiple Moving Averages (MMA) to identify acceptable uptrends.
- Note the current price relative to recent price performance using a multiple of the Average True Range (ATR). Alan has devised the *Range Indicator* to assist with this.
- A trading strategy that encompasses the above, and explains more about stock selection, as well as when to take profits and when to sell.
- Risk management — to help make sure that the money that is risked on stock purchases is the right amount, and properly managed to minimise relevant risks (eg. position risk, sector risk, portfolio risk).

Alan's ActVest Newsletter covers these topics and more, and assists with identifying potentially acceptable stocks. See Alan's web site for more details (web address above).

An overview of some of the elements listed above is provided in the notes below. The Technical Analysis items (ie. MMA, ATR) are explained briefly in relevant Technical Analysis articles in Brainy's series (eg. TA-6150). A number of these elements are implemented in the BullCharts charting software as scans, or indicators — see article BC-26-200 for more details.

### Blue Chip companies

Okay, consider these questions:

- There are more than 2000 companies listed on the Australian stock market, so which ones should we consider investing in? All of them? Or just a small group?
- Some listed companies are not what we would call quality companies, so how do we find out which ones are "quality" companies?
- It would be good to invest in companies that are more likely to return profits in both good times and bad times, so how do we find these?
- Ideally we will invest in a company that is here for the long term, and not one that might be gone tomorrow, so how do we find these?



# Brainy's articles on Share Trading

## Sample trading strategies Alan Hull

Article No:  
**ST-6420**  
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To help narrow down our search for quality companies that are more likely to produce favourable returns over time, we could look at what we call *Blue Chip* companies. Exactly what is a Blue Chip company? Here is one definition:

*"Blue Chip — Shares, usually highly valued, in a major company known for its ability to make profits in good times or in bad, and with reduced risk of default."*

[source — <http://www.asx.com.au/glossary/> ]

Alan helps to identify Blue Chip companies.

### **ROAR — Rate of Annual Return**

Okay, now consider this:

- We could invest in a company whose share price is rising a little over time, or one whose share price is rising a lot over time. If we want to invest in the companies with a quickly rising share price, how do we spot them?

The concept of the *Rate of Annual Return* (ROAR) is a good indication of how much a company's share price is increasing over the longer term. Alan's materials explain this concept, and how to find the stocks with a high ROAR.

### **MMA and Range indicators**

Alan Hull's methodologies include additional elements, including some technical (chart-based) indicators such as a special version of the Multiple Moving Average (MMA), and his Range indicator.

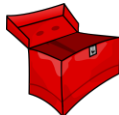
### **Risk management**

To be successful in share market investing it is important to understand the risks, and to manage the risks. By managing the risks effectively, it is possible to make good returns from investing in the market. Alan's materials can assist with both understanding, and managing, these risks.

### **Summary**

This article in Brainy's series on Share Trading (number ST-6420) is an overview of some of the ideas promoted by Alan Hull. These can form the basis of successful trading strategies, and can be bundled with other ideas. It is very important to back-test and paper-trade any trading strategy before implementing it.

More details on these topics are included in other articles which should be read in conjunction with this one — including Brainy's Technical Analysis article number TA-6150, "*Alan Hull — MMA, Range, ROAR*", and the BullCharts article number BC-26-200, "*Author Strategy — Alan Hull*".



For more information on Share Trading, or  
Technical Analysis, or BullCharts software,  
look for more of Brainy's articles, or the other resources, in  
**Brainy's Share Market Toolbox:** [www.robertbrain.com](http://www.robertbrain.com)

Your own notes and comments: .....

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# Brainy's articles on Technical Analysis

## Moving Average (MA) explained

Article No:  
**TA-4205**  
page 1 of 2  
29 Sept 2009

This article  
is free\*

### Introduction

Amongst all of the technical indicators in common use, the Moving Average (MA) indicator must be about the most common. It is very useful, and can be combined with other indicators.

In this article in Brainy's series on Technical Analysis (number TA-4205) we take a look at the Moving Average (MA) and how it is calculated.

### Overview

The Moving Average (MA) will be familiar to people who dabble in statistics, where it is also known as a rolling average, or running average. In Technical Analysis, it is called the Moving Average.

It is calculated for a set of numbers, and is basically the average of the *last "few" values*. Now, the last "few" values could be anything from the last one or two values, up to the last 500 or 1000 values or more. In Technical Analysis, when it is calculated for share prices, it is calculated as at a certain date. And it is calculated for every date within a date range resulting in not just one number for the MA, but a series of numbers. This will become easier to understand in the text below.

### MA — Moving Average

How do we calculate a Moving Average (MA)?

In Figure 1 at right we have a price chart of the CBA bank. This chart is a Weekly chart from 10 August until 29 September 2009. Each (black) dot on the chart represents the Close price for each week (these are the upper dots on the chart, not the lower ones). The last black dot (for the week commencing 28 September — see the time axis across the bottom) has a price of \$52.17 as indicated in the tag on the price axis to the right (this was the price at about 2pm on the day when this snap shot was taken, and it is not the real closing price at the end of the week which has not yet arrived). Normally we will look at a line chart or candle chart of prices, but this "point" chart helps us to better understand the MA concept.

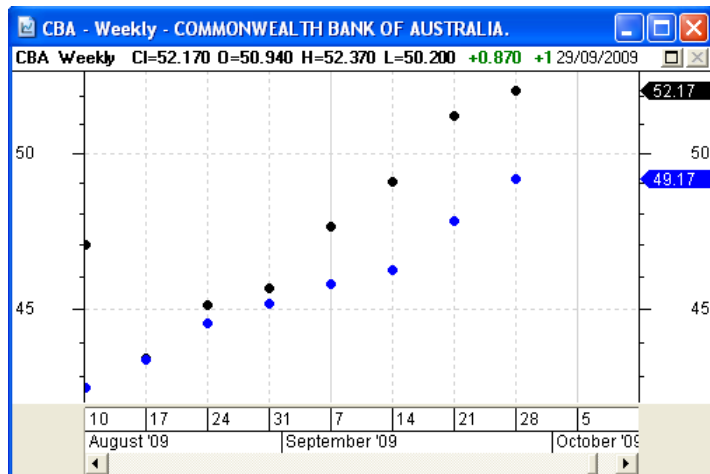


Figure 1: The 5-week simple Moving Average (MA)

The series of (blue) dots on the chart in the figure is actually the 5-period Moving Average (MA). We could also call this the 5-bar MA, or the 5-week MA. We would normally look at a continuous line for the MA, but drawing it like this as dots will help to better explain the concept. The *very last dot* is the Moving Average of the *last five Close prices* on the chart (\$49.17 — see the tag on the right-hand price axis). To calculate this value, all you need to do is take the last 5 values of the Close price, and calculate the average — that is, add them up and divide by 5. Fortunately, computers can easily do this calculation for us and quickly display the chart.

	\$52.17
	\$51.30
	\$49.09
	\$47.60
	\$45.68
Sum =	\$245.84
Average =	\$49.17

Figure 2: The 5-period MA calculation.

The actual calculation of the 5-period MA in this example is shown in the table in Figure 2 at right. The last five Close prices have been obtained, and listed. The total (or Sum) of these is shown as \$245.84. Now we divide this value by the number of entries (ie. divide by 5), to get the average value of \$49.17. This explains the last MA dot on the chart in Figure 1 above. The same



# Brainy's articles on Technical Analysis

## Moving Average (MA) explained

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calculation process needs to be repeated to obtain the values for the other MA dots on the chart.

When we look at a MA line on a chart, as opposed to the dots shown above, it is simply a "join-the-dot" exercise where all of the MA dots are joined with short straight-line segments.

Figure 3 at right illustrates this. The share price is shown as a Line Chart (which joins together all the Close prices for each week). Compare this chart with the one above.

### Simple, Exponential, Weighted?

The calculation of the MA was simple many years ago before computers were invented. But today it is easily possible to display several variations of the MA line. The calculation described above is actually the Simple Moving Average (SMA). However, many people nowadays prefer to use the Exponential MA (EMA).

The chart in Figure 4 at right is the same as in Figure 3 above, except that the dashed (red) line is the 5-week EMA. Basically the difference between it and the SMA is that it is more responsive to recent price changes. Specifically in this case, the price fall on 17 August causes the EMA for the next 3 weeks to be lower than the SMA. And the EMA for 14 to 28 August is higher than the SMA as it is closer to the "recent" price action.

The Weighted MA is slightly different again. And as if that is not enough, your charting software might give you additional types of MA to choose from.

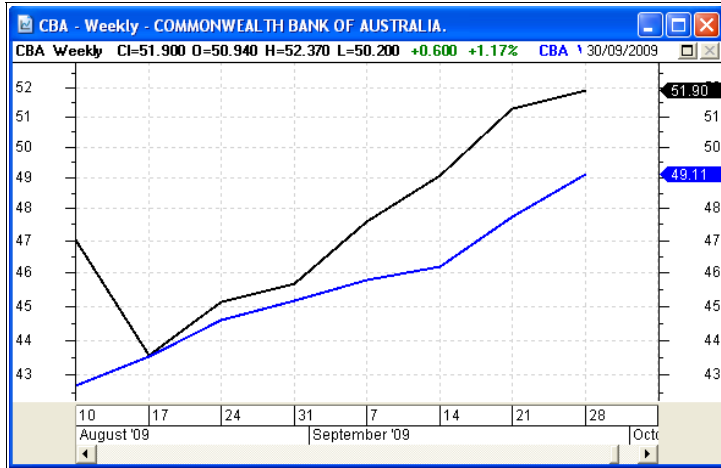


Figure 3: Weekly chart of CBA bank with 5-week Simple MA.

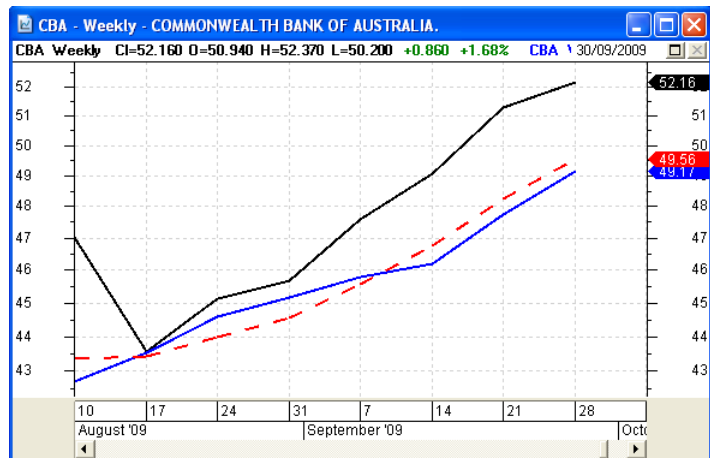
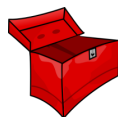


Figure 4: Exponential Moving Average (EMA).

### Summary

In this article in Brainy's series on Technical Analysis (article number TA-4205) we have taken an introductory and basic look at the Moving Average (MA) indicator.



For more information on Share Trading, or  
Technical Analysis, or BullCharts software,  
look for more of Brainy's articles, or the other resources, in  
\* **Brainy's Share Market Toolbox:** [www.robertbrain.com](http://www.robertbrain.com)

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# Brainy's articles on Technical Analysis

Alan Hull — MMA, Range, ROAR

Article No:  
**TA-6150**  
page 1 of 4  
29 Sept 2009

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## Introduction

Alan Hull is a well-known Melbourne-based share trader and author. He specialises in helping others to trade and invest in Blue Chip shares. In this article in Brainy's series on Technical Analysis (number TA-6150) we take a look at some of the Technical Analysis type detail from Alan Hull's teachings. In particular this includes the following:

- Hull MMA — Multiple Moving Average.
- ATR — Average True Range.
- Alan's Range indicator.
- ROAR indicator.

For more information on Alan's teachings and strategies, see Brainy's Share Trading article number ST-6420, "Sample trading strategies — Alan Hull", as well as Alan's own web site, books and newsletters.

For details about how some of Alan's teachings are implemented in the BullCharts charting software, see Brainy's article BC-26-200, "Author Strategy — Alan Hull".

## MA — Moving Average

The concept of a Moving Average (MA) will be familiar to many people. For some basic information about the MA and how it is calculated, see Brainy's article TA-4205, "Moving Average (MA) explained". Also see article TA-4210, "Moving Average and MA Cross-Over", for further details.

## Hull MMA — Multiple Moving Average

The MMA indicator is simply several MA plots drawn on the same price chart as in Figure 1 below. In this example there are 12 MA plots drawn on the chart. The thicker (black) plot towards the top of the chart is the Weekly Line plot for the CBA bank. The other lines below are the MMA indicator.

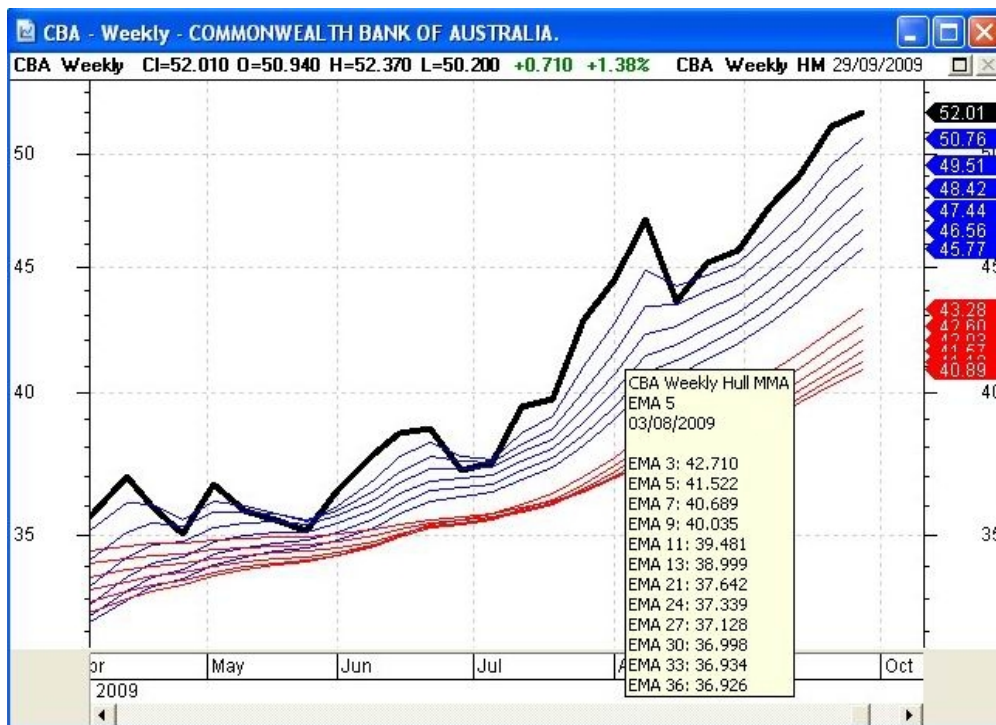


Figure 1: Multiple Moving Average (Hull MMA) on Weekly CBA chart.

\* — Brainy's eNewsletter articles are only available to subscribers, or can be individually purchased from **Brainy's Share Market Toolbox** web site. Visit [www.robertbrain.com](http://www.robertbrain.com) for more information. The first page of every article is free, and just some of the articles are completely free (eg. shorter ones and Table of Contents).



# Brainy's articles on BullCharts

Article No:  
**BC-26-050**  
page 1 of 1  
31 Aug 2009

## Author Strategies — what are they?

This article  
is free\*

### Trading with the Authors

The BullCharts software incorporates the concept of “Author Strategies”. These strategies have been developed by influential authors and active traders and are included in the software to provide an excellent choice of tools to make it easier for the BullCharts user to learn and implement them. A number of articles are included in this section of Brainy's articles on BullCharts, describing the relevant scans, indicators and templates related to specific author strategies.

These strategies are implemented in BullCharts as follows:

- As individual Scans for stock selection.
- As Indicators that can be readily applied to any price chart.
- Some of the strategies are also implemented as BullCharts chart Templates.
- Where the strategies are implemented, there is usually more information about the source of the strategy bundled within the Scan or Indicator — see the properties of each scan or indicator for details.
- See a summary list of the strategies and authors in the BullCharts help (hit the F1 key and Search for “authors”), or see the 2-page PDF “Trade with the Authors” information leaflet.

Following is a very brief list of just some of the author strategies that are implemented in the BullCharts software.

<p><b>Alan Hull</b> — “<i>Charting in a Nutshell</i>”, “<i>Active Investing</i>”, various <i>Course Notes</i> — Alan Hull Range Rising and Falling Indicator; Alan Hull Money Histogram; Price/Volume Breakout Scan; Price Volume Breakout Marker, Alan Hull Rate of Annual Return (ROAR); Money Flow; Alan Hull MMA, Rate of Annual Decline Indicator (ROAD).</p>	<p><b>Louise Bedford</b> — “<i>The Secret of Candlestick Charting</i>”, — SIROC, Candle Patterns. Compound Candles; Candle Addition</p>
<p><b>Daryl Guppy</b> — “<i>Trading Tactics</i>”, “<i>Share Trading</i>”, “<i>Trend Trading</i>” — Guppy Multiple Moving Average (GMMA); Countback Line; Expert Ribbon; Guppy Darvas Scan, and contributions by Leon Wilson:- Guppy MMACD \$, Guppy MMACD %, Guppy MMACD-H \$, Guppy MMACD-H %.</p>	<p><b>Colin Nicholson</b> — PM Coppock Indicator</p>
<p><b>Leon Wilson</b> — “<i>The Business of Share Trading</i>” — Reversal Scan, Manual Scan, Breakout Scan; Reversal System - %B Scan; New Highs; Turning Point Low.</p>	<p><b>Martin J. Pring</b> — “<i>Technical Analysis Explained</i>” 3rd Edition — Pring KST Oscillator</p>
<p><b>Stan Weinstein</b> — “<i>Secrets for Profiting in Bull and Bear Markets</i>” — Stage Analysis, Triple Confirmation Pattern Scan; RSC Normalised.</p>	<p><b>Chande &amp; Kroll</b> — “<i>The New Technical Trader</i>” — Chande Volatility Trailing Stop; Chande Momentum Oscillator; Intraday Momentum Index (IMI); QStick; Stochastic RSI; Aron Indicator.</p>
<p><b>Nicolas Darvas</b> — “<i>How I made \$2,000,000 in the Stock Market</i>” — Darvas Boxes.</p>	<p><b>Robert C. Miner</b> — “<i>Dynamic Trading</i>” — Time Extensions, Time Retracements; Price Extensions Price — Retracements</p>
<p><b>Dr Alexander Elder</b> — “<i>Trading for a Living</i>”, “<i>Come into my Trading Room</i>” — Elder Ray; Bull Power; Bear Power; Force Index; MACD Histogram; S-ROC; Elder's SafeZone; Chandelier Exit; Impulse Ribbon.</p>	<p><b>Robert Fischer</b> — “<i>Fibonacci Applications and Strategies for Traders</i>”, “<i>The New Fibonacci Trader</i>” — Fibonacci Spiral; Fischer Ellipse</p>
<p><b>WD Gann</b> — “<i>How to Make Profits in Commodities</i>”, — Gann Swing Charts.</p>	<p><b>John Bollinger</b> — “<i>Bollinger on Bollinger Bands</i>” — Bollinger %B; Bollinger Bandwidth; Intraday Intensity; RSI %B; MFI %B; Donchian Channel.</p>
<p><b>Welles Wilder</b> — ADX &amp; Directional Movement</p>	<p><b>William Blau</b> — “<i>Momentum, Direction and Divergence</i>” — Ergodic Candlestick Oscillator; Stochastic Momentum Index; Divergence Indicator; True Strength Indicator.</p>
	<p><b>Bill Wormald</b> — “<i>Trends and Tripwires</i>” — Wormald Triangle</p>
	<p><b>Joe DiNapoli</b> — “<i>Trading with DiNapoli Levels</i>” — DiNapoli Detrended Oscillator, DiNapoli Displaced Moving Average; DiNapoli Preferred Stochastic.</p>

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# Brainy's articles on BullCharts

## Author Strategy — Alan Hull

Article No:  
**BC-26-200**  
page 1 of 8  
30 Sept 2009

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### Introduction

The BullCharts software incorporates the concept of *Author Strategies*. These strategies have been developed by influential authors and active traders and are implemented in BullCharts in scans, technical indicators and templates. More details about the concept of Author Strategies are included in Brainy's single-page and free article number BC-26-050, "*Author Strategies — What are they?*".

Some of the Author Strategies included in BullCharts are attributable to Alan Hull. This article in Brainy's series on BullCharts (number BC-26-200) focuses on his strategies, and firstly lists the related scans, indicators and templates (in the table below), and then provides more information on some. This BullCharts article is a good overview of the way in which BullCharts implements Alan's key strategies, to help you on the road to understanding and implementing them using BullCharts.

For more background information about Alan Hull, including his published books and newsletters, see Brainy's Share Trading article number ST-6420, "*Sample trading strategies — Alan Hull*". The reader is strongly encouraged to also refer to Alan's web site [www.alanhull.com](http://www.alanhull.com).

### CAUTION

**Investing in the stock market can result in loss of funds. This document is not advice and does not recommend that you follow any strategy described herein. Do proceed with caution.**

### Background information

For some good background information on the principles and concepts in this article, also refer to the following articles in Brainy's series:

- ST-6400 — "*Sample trading strategies — Introduction*". A **word of warning** about adopting anyone else's trading strategy, and about the need for adequate back testing.
- ST-6420 — "*Sample trading strategies — Alan Hull*". Includes an introduction to the teachings of Alan Hull from a Share Trading point of view.
- TA-6150 — "*Alan Hull — MMA, Range, ROAR*". Some introductory information about the technical aspects of Alan's Multiple Moving Average (MMA), Range, and ROAR indicators.

### Scans, indicators and templates

The relevant BullCharts scans, indicators and templates that are attributable to Alan Hull are listed in the following table.

Scans	Indicators	Templates
ActTrade Rising Equities	ActTrade Range+ Indicator	Hull ActVest
ActVest Falling Equities	ActTrade Range+ Ribbon	
ActVest Rising Equities	ActTrade ROAR	
Hull Price Volume Breakout — Daily	ActTrade ROAR Ribbon	
Hull Price Volume Breakout — Weekly	ActVest Range- Indicator	
In ActVest Buy/Hold Zone	ActVest Range- Ribbon	
In ActVest Profit Take Zone	ActVest Range+ Indicator	
In ActVest Profit Take/Hold Zone	ActVest Range+ Ribbon	
In ActVest Sell Zone	ActVest ROAD	
In ActVest Zone 1	ActVest ROAD Ribbon	
In ActVest Zone 2	ActVest ROAR	
In ActVest Zone 3	ActVest ROAR Ribbon	
In ActVest Zone 4	Hull MMA	
Money Histogram	Hull Money Histogram	
	Hull Moving Average (HMA)	
	Price Volume Breakout Marker.	