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Weekly Commentary

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Chart comments updated on Friday's close

Could we be having a "Syrah Scenario" in Niobium?

US markets have been trending downwards over the last three week as investors are realising that their simplistic expectations of falling interest rates through 2024, require some adjustments. While good economic news is usually welcome, the implications for persistent inflation has a dampening effect on market enthusiasm. So, it has been a time of profit taking and market easing, and that has applied to the gold price as well. Markets will improve again, but perhaps not this week.

Good old copper seems to have taken the limelight most recently with the BHP bid for Anglo American being a catalyst. The price has improved from under US\$3.80/lb earlier this year, to around US\$4.60/lb now. Copper company share prices have already moved upwards in response. One of the worse performing copper hopefuls in 2023, Cyprium, has already doubled in price recently. As always the question to ask is whether the momentum in the red metal can be maintained. If not, what should you be switching your money into?

Could we have another "Syrah scenario"?

Overpromising and underdelivering ...

The spectacular share market success of Syrah back in 2012 to 2016 - in spite of the real fundamentals - prompted a boom in graphite stocks. The reality is that Syrah was a well-orchestrated market play based more on promotion than anything else. The high share and the blind acceptance of the rhetoric enabled significant amounts of equity funds to be raised to fund a mine that has subsequently been shown to be a dud. Yet, that company survived with a quick shimmy into the battery space. The shares have lost 90% of their value, but the company has survived so far.

... but the catalyst for a graphite market bubble

Just like in the pied piper fable, many junior companies moved into the graphite space seeking to emulate Syrah's stock market success. It worked for a while with a vast number of companies being able to raise equity capital on the back of surging share prices, but the inevitable happened. The bubble deflated and those investors not smart enough to recognise what was happening ended up with serious losses.

A second coming

More recently the companies in the graphite sector are attempting a second coming. This has been based more on EV and battery thematics than simply following the leader and the market has been more discerning. It needs to be given that graphite is an industrial mineral with all of the inherent obstacles to commercial success. Geopolitical considerations are playing a role this time around as various governments seek to reduce the Western world's reliance on Chinese supplies.

Could we have a Syrah scenario with niobium?

The sharper operators in the junior mining sector are already on the hunt for niobium stories with the pied piper in this chapter being WA1 Resources (WA1). That company's share price has skyrocketed from 11¢ to a recent peak of \$19.32, taking the market capitalisation above the \$1bn figure. You can work out the percentage move for yourself. It is ridiculous. Nevertheless, it is today's reality. Good promotion, when well orchestrated, can take shareholders into fairyland.

Now people are starting to think that if they have a niobium play they can join the party. Don't worry about project economics. They are irrelevant at this point of the bubble. Right now it is about getting onto a new niobium play that is yet to unfold.

Krakatoa Resources share price has doubled

Krakatoa Resources (KTA) is the latest example of how this could play out. Last week the share price doubled on the announcement that a "new potential carbonate prospect ... identified by stream and soil sampling ... identified a significant new niobium and rare earth anomalous catchment area." This is all highly speculative, but it delivered great share price performance. Imagine what could happen if KTA actually drills and achieves good niobium assays!

WAI started out with a rare earths target and the emphasis changed to niobium following receipt of a few good assays. One could reasonably expect to find niobium within carbonatite mineralisation but it will be involved with a number of other products such as phosphate and rare earths. Why, even Aguia Resources has returned attractive niobium assays in drilling undertaken more than 10 years ago, in its Tres Estrades carbonate mineralisation in Brazil, along with phosphate and rare earths. Perhaps it should get onto the bandwagon to breathe some life into its share price.

Globe Metals and Mining has niobium credentials

There is already an ASX-listed junior with solid niobium credentials. Capitalised at \$35m today, after the shares have risen from a low of 3¢, Globe Metals and Mining (GBE), describes itself as "an emerging, vertically integrated niobium producer".

Globe has the Kanyika Project in Malawi that has shown robust financial metrics such as a pre-tax NPV of US\$1bn and an IRR of 47%. Its Optimisation Study envisages a two phase development strategy with capex requirements of US\$70m and a mine life of 27 years. Niobium pentoxide is expected to be produced at a cost of US\$18.90/kg with a gross profit margin of 71%.

In pursuit of these numbers Globe has started producing 10 tonnes of material for testing in a chlorination refinery pilot plant to produce a niobium and tantalum concentrate. It is

planning to recover rare earths in water-soluble chlorides for concentration and sale.

Kanyika has a Proved Mining Reserve of 5.3 Mt at 3,680 ppm Nb_2O_5 and a 28.5 Mt Probable Reserve at 2,930 ppm Nb_2O_5 .

Globe provided some commentary on niobium pricing in its recent quarterly, noting that the niobium pentoxide price had lifted from US\$53/kg to almost US\$58/kg since the beginning of 2024.

Very tight supply with 95% from three mines

Three mines account for 95% of global mining supply with 82% coming from the CBMM Mine in Brazil. This has a high grade in the weathered zone of 2.5-3% Nb₂O₅ (20,000-35,000 ppm). Reserves are sufficient for a 500 year mine life. A second mine in Brazil owned by Anglo American Niobium Brazil, contains 10 Mt at 1.34% Nb₂O₅ and the Niobec Mine in Quebec, owned by IAMGOLD Corp, has a smaller resource of 2.6 Mt at 0.41% Nb₂O₅.

Could we really have a boom in niobium stocks?

Anything can happen when stock markets get carried away. If enough people push niobium, we could well have a boom. Is one justified? Not really, but when has that stopped crazy things happening in markets before?

Disclosure: Interests associated with the author owns shares in Aguia Resources and Krakatoa. The author is a director of Aguai and has received capital raising fees.

Ardea making good progress on nickel hub

Ardea (ARL) has announced that it has signed a binding Co-operation Agreement to form a 50:50 incorporated JV. Sumitomo Metal Mining and Mitsubishi Corporation, to be named Kalgoorlie Nickel Pty Ltd. The Japanese Consortium will fund the DFS, which is budgeted to cost A\$98.5m, thereby earning a 50% interest in the JV with Ardea retaining the other 50%.

Sumitomo Metal Mining is a leader in developing and operating nickel laterite projects and is fully integrated within both the stainless steel and lithium-ion battery sectors. Mitsubishi Corporation has decades of resources sector experience within Australia and has been a significant investor and contributor to the Australian economy.

This is a positive step but there are many more to be taken. The DFS itself is scheduled for completion in 2025. Then the FEED and PCA studies will be completed, and financing comes after that. The bigger the project - Ardea has a 854 Mt resource at 0.71% Ni and 0.045% Co - the longer the pre-production stages.

The shares ran hard immediately prior to the announcement, and continued higher on the day itself to hit 95¢. However, the next day it was crunched back to 67¢. It seems like a case of "buy on rumour and sell on news".

Lindian adding to the quality of Kangankunde

Lindian has announced an Indicated Resource of 61 Mt at 2.34% TREO, within an updated Mineral Resource Estimate of 261 Mt at 2.14% TREO. There is a higher grade component of 25 Mt at 3.26%.

Readers can get confused at time with all the different categories and grades. There are various categories of resources and reserves with there being some science between what is what, but what is of greatest economic significance is the grade that will be mined in the first 10 years of an operation. This can be worked out once a mining reserve has been finalised along with associated financial and economic parameters.

Lindian is talking about grades in excess of 2-3%. That is 20,000-30,000 ppm. There are many rare earth hopefuls promoting near surface orebodies with grades of 500-1,000 ppm. One of the more interesting companies is Meteoric Resources with a clay deposit in Brazil that has an Inferred Resource of 409 Mt at 2,626 ppm. It does highlight intersections with much higher grades, but it is the average grade that can be delivered to a processing plant which is most relevant.

Getting to the point; at 20,000-30,000 ppm the grade at Lindian's Kangankunde deposit is dramatically higher than any other, by a factor of 10-20x. That is very compelling. The absence of radiative material is a sweetener.

Godolphin - low priced entry point to rare earths

We had a session with Godolphin Resources (GRL) last week following its announcement of a placement raising \$550,000 at 3¢, and a 1 for 5 entitlement issue at the same price to raise another \$1.1m. There were attaching options on the ratio of 1 for 1.

Back on 19 April, GRL announced it had purchased the remaining 49% interest in the Narraburra Rare Earth Project, which has a Mineral Resource Estimate of 94.9 Mt at 739 ppm TREYO, including a higher grade component of 20 Mt at 1,079 ppm. Narraburra is located 12 km NE of Temora in the Lachlan Fold Belt, NSW.

Godolphin is moving ahead with a Scoping Study, encouraged by the recent test work undertaken at ANSTO. These demonstrated excellent extraction rates of between 80% - 95% for key magnet REEs (Nd, Pr, Tb, Dy), further confirming the project's development potential through low-cost downstream processing methods.

There are plenty of rare earth projects out there vying for investor attention. Grade is one thing but metallurgy is critical. The first step is to get the products into solution. The leaching at Narraburra can be achieved using ammonium sulphide rather than the more difficult hydrochloric acid (HCL).

Goldolphin has an interesting table in its presentation showing six clay-hosted Australian projects that are yet to complete scoping studies. Three of these need a high acid leaching environment with pH down at 1 or less and they need HCL. GDR's pH is at 2. It proposes using ammonium sulphate with a 24 hour leaching time frame. AR3 has a 20-30 day heap leach time frame using magnesium sulphate or sulphuric acid, with a pH of 2.2.

We all know the rare earth market is on the nose at the moment, but assuming it does recover, Goldolphin is a very low cost entry point with a market capitalisation of \$4.5m (pre-raisings). Medium to longer term investors could find a good entry point at the moment while the share price has been under pressure due to the capital raising.

Disclosure: Interests associated with the author owns shares in Godolphin and Lindian.

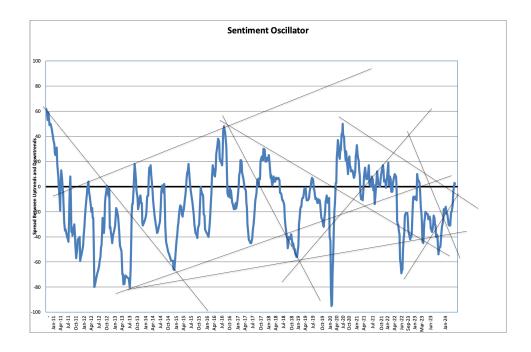
China's young people are rushing to buy gold

The Economist ran an article that highlighted recent gold buying trends in China. Apparently the younger Chinese generation is buying physical gold owing to the underperformance of traditional investments such as the stock market and real estate. They are being attracted into the metal by the "soaring" gold price. The Chinese central bank is simultaneously buying bullion as it seeks to diversify away from US dollars.

With gold above US\$2,300/oz, the Chinese market is being fed by gold beans that weight about a gram (there are 31.0135 grams per oz of gold). Each bean currently costs

about US\$80. Gold jewellery is also being sought after with its higher gold content than usually found in Western markets.

We have added Mitre Mining Corp (MMC), a silver play in Chile, Novo Resources (NVO), a dual-listed gold explorer WA, and Warriedar Resources (WA8), a WA focused advanced gold explorer to our chart coverage (formerly Anova Metals).



Sentiment Oscillator: Sentiment was steady.. There were 37% (37%) of stocks in uptrend and 35% (34%) in downtrend at the close of the week.

Detailed Chart Comments

NB. Only the bold comments have been updated. Comments in grey type are from previous weeks and will be less relevant. Please note that this list is a cross section of the market. It IS NOT a list of recommendations.

Indices	Code	Trend Comment	
All Ordinaries	XAO	breached uptrend	
Metals and Mining	XMM	testing short term uptrend	
Energy	XEJ	still under long term downtrend line	
Information Technology	XIJ	peaking	
Stocks	Code	Trend Comment (updated comments in bold)	Main Interest
5EA Advanced Materials	5EA	back to lows	boron
Adriatic Resources	ADT	new high	zinc, polymetallic
Advance Metals (was Pacific American)	AVM	collapse on placement	coal, gold exploration
Aguia Resources	AGR	new uptrend	phosphate, copper exploration
Alkane Resources	ALK	testing downtrend	gold

Far East Capital Ltd - 4 May 2024			Weekly Commentary
Alicanto Minerals	AQI	fallen back to lows	base metals, silver, gold
Alligator Energy	AGE	recovering	uranium
Almonty Industries	All	testing uptrend	tungsten
Alpha HPA	A4N	upside breakout from wedge	HPA
Altech Chemical	ATC	breaching downtrend	HPA, anodes
Alto Metals	AME	breached secondary downtrend	gold exploration
American Rare Earths	ARR	continuing to fall	rare earths
Anax Metals	ANX	rising	copper
Anteotech	ADO	collapse on another placement	silicon anodes, biotech
Arafura Resources	ARU	pullback	rare earths
Ardea Resources	ARL	spiked higher	nickel
Arizona Lithium	AZL	strong rally	lithium
Astral Resources	AAR	gentle downtrend	gold
Averina	AEV	down heavily	phosphate
Aurora Energy Metals	1AE	breached support	uranium
Aurelia Metals	AMI	rising	gold + base metals
Australian Rare Earths	AR3	breaching downtrend	rare earths
Australian Strategic Materials	ASM	strong rally but hit LT resistance line	rare earths
Azure Minerals	AZS	another surge higher then pullback	nickel exploration
BHP	ВНР	rising again	diversified, iron ore
Barton Gold	BGD	rising gently	gold exploration
Beach Energy	ВРТ	testing uptrend	oil and gas
Bellevue Gold	BGL	new high	gold exploration
Besra Gold	BEZ	collapse to new low	gold
Black Cat Syndicate	BC8	testing downtrend	gold
BMG Resources	BMG	down	gold exploration
Boab Metals	BML	back down	silver/lead
Cadoux (was FYI)	CCM	testing steepest downtrend	HPA
Calidus Resources	CAI	testing downtrend	gold
Caravel Minerals	CVV	strong rise	copper
Carnaby Resources	CNB	testing downtrend	copper
Castile Resources	CST	rallying	gold/copper/cobalt
Catalyst Metals	CYL	new uptrend	
Cazaly Resources	CAZ	forming a base	rare earths
Celsius Resources	CLA	stronger	copper
Cobalt Blue	СОВ	down again	cobalt
Cyprium Metals	CYM	breached downtrend, surged higher	copper
Ecograf	EGR	breached support	graphite
Emerald Resources	EMR	rising, new high	gold
Empire Energy	EEG	breached support	gas
EQ Resources	EQR	breaching downtrend	tungsten
Euro Manganese	EMN	testing downtrend	manganese
Evolution Energy	EV1	new low	graphite
Evolution Mining	EVN	rising	gold

Fai East Capital Ltu - 4 May 2024			weekly Commentary
First Graphene	FGR	spiked higher	graphene
Fortescue Metals	FMG	rallying	iron ore
Genesis Minerals	GMD	rising	gold
Gold 50	G50	new uptrend	gold exploration + gallium
Great Boulder Resources	GBR	sideways at lows	gold exploration
Group 6 Metals	G6M	down	tungsten
Hamelin Gold	HMG	sideways through downtrend	gold exploration
Hastings Technology Metals	HAS	collapse to new low	rare earths
Hazer Group	HZR	testing downtrend	hydrogen
Heavy Minerals	HVY	new low	garnet
Hillgrove Resources	HGO	rising gently	copper
Iluka Resources	ILU	heavy fall	mineral sands
ioneer (was Global Geoscience)	INR	rising again	lithium
Ionic Rare Earths	IXR	down	rare earths
Jervois Mining	JVR	new low	nickel/cobalt
Jindalee Lithium	JLL	back to lows	lithium
Jupiter Mines	JSM	rising	manganese
Kaiser Reef	KAU	improving	gold
Krakatoa Resources	KTA	steep rise on niobium news	rare earths
Kingfisher Mining	KFM	breached downtrend	rare earths
Lepidico	LPD	new low	lithium
Lindian Resources	LIN	breached downtrend	rare earths + bauxite
Lion One Metals	LLO	heavy fall - suspension	gold
Li-S Energy	LIS	new low	Lithium sulphur battery technology
LCL Resources	LCL	new low	gold exploration
Lotus Resources	LOT	rising	uranium
Lucapa Diamond	LOM	sideways	diamonds
Lunnon Metals	LM8	rallying	nickel
Lynas Corp.	LYC	still down	rare earths
Marmota	MEU	rising	gold exploration
Mayur Resources	MRL	breached uptrend	renewables, cement
Meeka Gold	MEK	sideways through downtrend	gold
MetalsX	MLX	rising	tin, nickel
Meteoric Resources	MEI	rising again	rare earths
Metro Mining	ММІ	new high	bauxite
Midas Minerals	MM1	slump	lithium
Mitre Mining	ММС	steep rise	silver
Nagambie Resources	NAG	another new low	gold, antimony
Neometals	NMT	new low	lithium
Newfield Resources	NWF	down	diamonds
Nexgen Energy	NXG	new high	uranium
Northern Star Res.	NST	rising	gold
Nova Minerals	NVA	off its lows	gold exploration
Novo Resources	NVO	down	gold exploration

rai East Capital Ltu - 4 May 2024			Weekly Commentary
Pacific Gold	PGO	breached downtrend	gold exploration
Paladin Energy	PDN	correcting lower after 10 into 1 consolidation	uranium
Pantoro	PNR	rising again	gold
Patriot Battery Metals	PMT	testing downtrend	lithium
Peak Resources	PEK	new low	rare earths
Peninsula Energy	PEN	breached downtrend	uranium
Perseus Mining	PRU	testing support line	gold
Poseidon Nickel	POS	new low	nickel
Provaris Energy	PV1	rising after breaching downtrend	hydrogen
QMines	QML	new low	copper
Queensland Pacific Metals	QPM	testing downtrend	nickel/cobalt/HPA
RareX	REE	new low	rare earths, phosphate
Regis Resources	RRL	rising	gold
Renergen	RLT	rising	gas, helium
Richmond Vanadium	RVT	down	vanadium
RIO	RIO	rising again	diversified, iron ore
Rumble Resources	RTR	new low	gold exploration
S2 Resources	S2R	gentle downtrend	gold exploration
Sandfire Resources	SFR	rising again	copper
Santos	STO	weaker	oil/gas
Sarama Resources	SRR	rising	gold exploration
Sarytogan Graphite	SGA	testing uptrend	graphite
Siren Gold	SNG	bounced from lows	gold exploration
South Harz Potash	SHP	new low	potash
Southern Cross Gold	SXG	spike to new high	gold exploration
Southern Palladium	SPD	rising again	PGMs
Stanmore Coal	SMR	testing downtrend	coal
Sunstone Metals	STM	breaching downtrend line	gold/copper exploration
Suvo Strategic Minerals	SUV	spiked higher	kaolin
Talga Resources	TLG	rallying	graphite
Tamboran Resources	TBN	rising again	gas
Theta Gold Mines	TGM	rising again	gold
Thor Energy	THR	new uptrend	uranium
Tietto Minerals	TIE	surge on takeover approach	gold
Vanadium Resources	VR8	new uptrend	vanadium
Venture Minerals	VMS	rising	tin, tungsten
Vintage Energy	VEN	new low	gas
Voltaic Strategic Resources	VSR	new low	REO + lithium
Vertex Minerals	VTX	breached downtrend	gold
Walkabout Resources	WKT	sideways	graphite
Warriedar Resources	WA8	correcting	gold exploration
West Cobar	WC1	new low	rare earth + lithium
Westgold Resources	WGX	new high	gold
West Wits Mining	wwi	rising	gold

Whitehaven Coal	WHC		testing uptrend	coal
Zenith Minerals	ZNC		new low	gold exploration
Totals	37%	51	Uptrend	
	35%	48	Downtrend	
		137	Total	

Guides to Chart Interpretations

- Charts usually go pass from one trend (up or down) into the other via a period of indecision and uncertainty during which the trend can either recover or change. This period is signified by the orange colour. The orange represent both the greatest risk and greatest reward possibilities.
- Once a chart is in confirmed up or downtrends it is not uncommon for 10-20% of that trend to have already transpired.
- There are trends within trends. The focus of this chart review is the immediate trend that affects the sentiment i.e. it can be a downtrend within a long-term uptrend.
- Not every chart warrants a new comment every week. The new comments are in bold type. Grey type comments may be dated.
- Individual charts provide a single view. It is valuable to look at charts of other companies in similar commodities, and the overall sentiment is also very valuable. Not many stocks can swim against the tide.
- We periodically add or delete charts, some times for obscure reasons. If a chart consistent gives poor signals or is very erratic, we may delete it. Sometimes we add a chart because we want to see what all the fuss is about. We do have a preference for charting stocks that we cover in our research as well.
- · Errors and omissions may occur from time to time, especially in fast moving markets.

Amber Lights in Tables: Just a reminder if when the amber light is used in the table – it is when the charts are ambiguous or when there is a change of trend taking place. If a chart is breaching a downtrend it can either be a positive sign or a trap. Only once it has done more work can it be confirmed as a new uptrend. Maybe it is a new uptrend (or conversely a new downtrend); the risk takers can decide to jump on board early (or sell). They will maximise their profits (or minimise their losses if indeed it is the start of the new uptrend (downtrend). More risk-averse investors should wait a little longer, being prepared to give up some of the gains in return for greater certainty.

Weightings of Sectors Represented in the Company Charts						
Sector	No. of Companies	Weighting				
Gold Exploration	20	14.6%				
Gold	20	14.6%				
Rare Earths	14	10.2%				
Lithium	9	6.6%				
Copper	9	6.6%				
Uranium	8	5.8%				
Oil/Gas	8	5.8%				
Nickel	6	4.4%				
Iron Ore/Manganese	5	3.6%				
Graphite/graphene	6	4.4%				
Silver	4	50.0%				
Tungsten	3	2.2%				
Mineral Sands	1	0.7%				
Vanadium	3	37.5%				
Zinc/Lead	1	0.7%				
Coal	2	1.5%				

Potash/Phosphate	3	2.2%	
Bauxite	2	1.5%	
Tin	2	1.5%	
Cobalt	1	0.7%	
Diamonds	2	1.5%	
Other	8		
Total	137		

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