



# THE MINERALOGICAL SOCIETY OF NEW SOUTH WALES INC

Website: [www.minsoconsw.org.au](http://www.minsoconsw.org.au)

Please address all correspondence to :-  
The Secretary, 58 Amazon Road, Seven Hills, NSW 2147

## NEWSLETTER      MARCH 2024

The March Meeting will be held in the clubrooms of the Parramatta and Holroyd Lapidary Club at 73 Fullagar Road, Wentworthville, on Friday the 1st of March at 7.30 pm.

There will be a lecture by Luis Martins on : -

**‘Jáchymov: Wonder Mining Town in the Ore Mountains, Czech Republic’.**

There will also be a talk by Geoff Parsons on : - **‘Minerals and Metals – How and Why’**

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## FORTHCOMING MEETINGS and PROGRAMS

April 5<sup>th</sup> :      Arnold van der Heyden will give a lecture titled **‘Broken Hill: Minerals Hiding in Plain Sight’**. The lecture will refer to the MMM Minerals Project at Broken Hill.

Mark Walters will give a talk on **‘A Visit to Other Mines in the Bamford Area, Nth Qld’**.

May 3<sup>rd</sup> :      Member’s Annual Mineral Auction.

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## The SOCIETY COMMITTEE

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	Geoff Parsons	Tel: (02) 9548 3289
	Mark Walters	Mobile: 0421 012 647
	Ed Zbik	Mobile: 0401 538 480

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## 2024 Society Membership Subscriptions

Members are reminded that Society Membership subscriptions were due from January 1<sup>st</sup>. According to the Society Constitution membership is valid in any new year up to March 31<sup>st</sup> when it will be deemed to have lapsed but would be re-instated immediately upon payment of the current year fee.

Income from membership subscriptions is essential for the routine functioning of the Society. Insurance policies are carried to protect the Society and members against injury or financial loss etc but insurance protection is subject to the member being financial at the time. Also current financial membership is mandatory for anyone to borrow books or magazines from the Library, attend field trips or sell minerals at meetings. Subscription renewal forms are available on the Society website or from the Secretary.

Members are asked to inform the Society if any of their addresses, telephone number/s or e-mail details have changed. Please keep the Society up-to-date with this information. Family members (spouse/partner and children only) can be admitted for membership at the additional cost of \$5 each. The name of the family member must be provided for the record.

Fees are as follows : -

Adult membership, Sydney metropolitan area	\$30
Adult membership, country or interstate	\$25
Child/youth (under 18 years), or student member	\$20
Family member	\$5

Members are particularly recommended to pay their subscriptions by direct debit which provides a bank record of the transaction for both the payer and payee.

To direct-debit the Society account the details are: -

Commonwealth Bank

Account Name: - Mineralogical Society of NSW Inc.

BSB: 062016 Account number: 28023647

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## SOCIETY LIBRARY

### OUTSTANDING LIBRARY BOOKS 2023 and years before

A number of books and magazines borrowed during 2023 are now requested to be returned to the library so they may be borrowed in the future.

### INTERESTED in reading

Check out *The Mineralogical Records* backorders page for an index to magazines available.  
<https://mineralogicalrecord.com/new-recent-issue/>

Check out *The Rocks and Minerals* backorder page for an index to magazines available, the Library's collection of Rocks and Minerals start around the 1980's and is incomplete for some issues.  
<https://www.tandfonline.com/loi/vram20>

Check out *The Australian Journal of Mineralogy* backorder for an index of the magazine, We have the entire set available  
<https://www.ajmin.org.au/back-issues>

**If you find an article you are interested in, check the internet with the full name of the article and author for there may already be a digital copy available.**

**It's the member's discretion to return books and magazines within 1-3 month of borrowing an item. Library items are to be picked up and returned personally at the Monthly Members meetings.**

**Any questions about the MinSoc library, contact the Librarian Edward Zbik by email at [etcjzbik@gmail.com](mailto:etcjzbik@gmail.com)**

**Yours in Minerals  
Cheers  
Edward**

**Edward Zbik  
m: 0401 538 480  
[edcjzbik@gmail.com](mailto:edcjzbik@gmail.com)**

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## **Mineralogical Records for Sale. \$2 each**

Noel Kennon has very generously donated a large number of Mineralogical Records and Rocks & Minerals magazines to the Society to sell to members for \$2 each, the proceeds to be given to charity. A list of the Records available is provided at the end of this Newsletter, a list of the Rocks & Minerals is to follow.

The magazines for sale will not be kept in the Library which has limited room but the Secretary, George Laking or the Librarian, Ed Zbik, should be asked about any specific copies in which a member is interested and the magazine or magazines would be brought from storage.

Posting magazines to members who cannot pick them up at meetings is unfortunately very uneconomic and cannot be guaranteed when the magazine is being sold for only \$2 and the postage would cost about \$6 per copy, (for a single magazine and envelope weighing between 250g to 500g). Magazines could be reserved for members until they can pick them up.

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## **Articles on Australia in the Mineralogical Record**

Ed Zbik has been researching and locating the number of articles in the Mineralogical Records with articles on Australia and has compiled the following very detailed list. Members interested in certain subjects may find these listed following. They would then be able to borrow the relevant issue of the Record magazine from the Society Library which has two complete sets of all Records from the commencement of publication in 1970 up to a few years ago. The Committee has not maintained an annual subscription to the Record since its institutional subscription rate is about two and a half times more than the rate for an individual. The Library has relied on donations of recent issues from members.

Alternatively to borrowing the member may wish to purchase a copy of the particular Record issue, a number of duplicate copies being available thanks to the donation from Noel Kennon. (See the explanation above and the list at the end of this Newsletter).

# Articles on Australia in the Mineralogical Record.

- Atacamite from the New Cornwall mine, Kadina, South Australia, W E. Wilson (2019), vol. 50, no. 2, 169, 199.
- Wittichenite from the Cattle Grid Pit, Mount Gunson mine, South Australia, R. Noble (2013), vol. 44, no. 2, 133, 143.
- Major crocoite discoveries at the Adelaide mine, Tasmania, T. P. Moore & W E. Wilson (2012), vol. 43 no. 6, 651, 673.
- Unusual secondary copper assemblages from deposits in eastern Australia, P. A. Williams (2007), vol. 38, no. 4, 320.
- Observations on specimen gold in southeastern Australian museums, R. B. Cook & c. A. Francis (2007), vol. 38, no. 4, 320, 321.
- Quartz sceptre crystals from the Entia Valley. Hart Range. Central Australia, D. McColl (2002), vol. 33, no. 6, 515, 521.
- Famous mineral localities: The Lord Brassey mine, Tasmania, R. Bottrill, P. Davidson & P. Andersen (2002), vol. 33, no. 4, 321, 332.
- Mimetite and wulfenite from the Kintore open cut, Broken Hill, New South Wales, P. Elliott (1996), vol. 27, no. 5, 375, 380.
- A new occurrence of mrazekite from Benambra, Victoria, Australia, W D. Birch, D. A. Henry & A. Pring (1995), vol. 26, no. 2, 107, 113.
- Secondary nickel minerals from Widgiemooltha, Western Australia, E. H. Nickel, J. F. M. Clout, & B. J. Gartrell (1994), vol. 25, no. 4, 283, 291, 302.
- Minerals of the Prospect Intrusion, New South Wales, Australia, B. M. England (1994). vol. 25. no. 3, 185, 194.
- The phosphate analog of molybdoferrocite from Whim Creek, Western Australia, E. H. Nickel & G. J. Hitchen (1994). vol. 25, no. 3, 203, 204.
- Famous mineral localities: The Burra Burra mine, Burra, South Australia, B. Grguric, A. Pring & G. Drew (1994), vol. 25, no. 2, 121, 129.
- Secondary minerals from Ashburton Downs, Western Australia, E. H. Nickel & B. J. Gartrell (1993), vol. 24, no. 3, 203, 216, 218.
- A notable rhodonite crystal from Broken Hill, Australia, A. H. Chapman (1992), vol. 23, no. 6, 469, 470.
- Minerals of the Beltana mine, Puttapa, South Australia, P. Elliott (1991). vol. 22, no. 6, 449, 456.
- Diamonds from Kimberley. Western Australia, G. L. Boxer & J. D. Grice (1990), vol. 21, no. 6, 559, 564.
- Titanite crystals from the Harts Range. Central Australia, O. Y. Petersen & D. McColl (1990), vol. 21, no. 6, 571, 574.
- Early Australian mineralogy, H. K. Worner & T. G. Vallence (1988), vol. 19, no. 6, 357, 364.
- Early American interest in Australian minerals, R. Middleton (1988), vol. 19, no. 6, 365, 376.
- The mineral collection of the Australian Museum, F. L. Sutherland & G. Webb (1988), vol. 19, no. 6, 377, 380.
- Minerals of western Tasmania, J. Haupt (1988). vol. 19, no. 6, 389, 406.
- The dravite crystal bonanza of Yinnietharra, Western Australia, P. J. Bridge, I. L. Daniels & M. W Pryce (1977),
- Volcanic zeolites and associated minerals from New South Wales, B. M. England & F. L. Sutherland (1988), vol. 19, no. 6, 389, 406.
- Minerals of the Moonta and Wallaroo mining districts, South Australia, A. Pring (1988), vol. 19, no. 6, 407, 416.
- Broken Hill, New South Wales: A brief review, W. E. Wilson (1988). vol. 19, no. 6 4, 17, 424.
- Mineral from the Kintore opencut. Broken Hill, New South Wales, W D. Birch & A. van Hayden (1988), vol. 19, no. 6, 425, 436.
- Mimetite and duftite from the Mount Bonnie mine, Northern Territory, B. M. England & , M. Robinson (1988), vol. 19, no. 6, 441, 450.
- Zeolites from Phillip Island and Flinders, Victoria, W D. Birch (1988), vol. 19, no.6, 1, 460.
- The Mount Isa, Cloncurry, Mineral Field, northern Queensland- R. Sielecki (1988), vol. 19, no. 6, 469, 490.
- Gold in Australia, W D. Birch (1987), vol. 18, no. I, 5, 32.
- Natrolite arches from Simmons Bay, Australia, W. A. Henderson Jr. & c. M. Garland (1986), vol. 17, no. 6, 377, 379.
- Calcioferite from the Moculta quarry near Angaston, South Australia, W A. Henderson Jr. & Y. Peisley (1985), vol. 16, no. 6, 477, 480.
- Famous mineral localities: The Kingsgate mines, New South Wales, Australia, B. M. England (1985), vol. 16, no. 4, 265, 289.
- Sodium, pharmacosiderite, a new analog of pharmacosiderite from Australia, D. R. Peacor & P. J. Dunn (1985), vol. 16, no. 2, 121, 124.
- Pseudomorphs from the Burra mine, South Australia, S. K. G. Bywater (1984), vol. 15, no. 4, 219, 222.
- Kornerupine and sapphirine crystals from the Harts Range, Central Australia, D. McColl & G. Warren (1984), vol. 15, no. 22, 99, 101.
- The Libethenite Zone, Burra mine. South Australia, S. K. G. Bywater (1984), vol. 15, no. 2, 105, 108.
- A new stolzite Occurrence: Broken Hill. Australia, S. K. G. Bywater (1983), vol. 14, no. 4, 215, 216.
- Crystallized gypsum from the playa lake clay of Lake Gilles-B. M. England (1982), vol. 13, no. 3. 187, 191.
- First discovery of ruby in Australia, D. McColl & R. G. Warren (1980), vol. II, no. 6, 371, 375.
- Brown's deposit, Northern Territory, Australia, D. McColl (1980), vol. II, no. 5, 287, 291.
- Malachite pseudomorphs from the Sir Dominick mine, Arkaroola, South Australia, B. M. England (1980), vol. II, no. 2, 73, 76.
- Pseudomalachite from Australia, D. McColl (1970). Vol. 9, no. 5, 295.

Minerals of the Greenbushes tinfield, W. M. Pryce & J. Chester (1978), vol. 9, no. 2, 81, 84.  
Zinc phosphates at Reaphook Hill, South Australia, C. W. Johnston & R. J. Hill (1978), vol. 9, no. 1, 20, 24, vol. 8, DO. 2, 109, 110.  
Famous mineral localities: Broken Hill, Australia, B. Mason & P. J. Dunn (1976), vol. 7, no. 1, 25, 33.

An unusual occurrence of bobierite at Wodgina, Western Australia, B. Mason & P. J. Dunn (1974), vol. 5, no. 6, 265.  
On a spectacular find of crocoite in the Adelaide mine, Dundas, Tasmania, A. H. Chapman (1972). vol. 3. no. 3, 111, 113

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## The FEBRUARY Meeting

The Meeting was opened the President, Dieter Mylius who brought member's attention to the invitation from Peter Beckwith to attend and represent the Society at an information table to be set up at the forthcoming Hawkesbury **National Gem & Crystal Expo**. The Expo was being held over the weekend of the 20th & 21st of April in the Hawkesbury Indoor Stadium, Stewart St, South Windsor.

Members were urged to consider helping to supervise a Society information table for a period during the Show. A rostering system could be established whereby helpers would attend the information table for a morning or afternoon only if preferred. Anyone able to help was asked to notify the Secretary, George Laking, or other Committee member, to discuss what could be arranged.

The **Micro-Mineral Group** would be meeting at 1.00 pm on Sunday the 18<sup>th</sup> of February at Graham Ogle's house and would be looking at South Australian minerals.

Mark Walters announced that he was taking a small field trip party to **Mt Tennyson** over the 24<sup>th</sup>/25<sup>th</sup> weekend of February and there were three vacant places. A number of minerals could be found on the dumps including powellite, molybdenite, garnet and scheelite. Mark was also planning a trip to **Manuka** for late April which would probably be held during weekdays and not a weekend.

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## Bre-X Re-Visited

Members would probably remember some details of the Bre-X scandal of the 1990s when the Canadian Bre-X prospecting company began reporting in early 1995 that drill cores taken over an area in Busang, East Kalimantan, Indonesia, were showing larger and larger amounts of gold. Busang is an administrative district of the East Kutai Regency of East Kalimantan Province in Indonesia. There are no very large towns and the entire area is mostly tropical jungle.

The reports led to a vast increase in the share price of Bre-X from a few cents per share when it was floated in 1989 to a peak of \$286.50 Canadian dollars per share by the end of 1996. The boom only lasted another month or so to February 1997 when an independent drilling survey by mining company Freeport-McMoRan failed to find any gold. Independent analyses of the original crushed drill core samples by the Strathcona Company established that the drill cores upon being crushed had gold grains of alluvial origin added to them.

The Bre-X shares rapidly crashed and became worthless. Fortunes had been made by those investors who bought early and sold early but several major Canadian financial institutions, including Municipal Pension Funds and members of the then Indonesian presidential ruling Suharto family, were left holding worthless paper. From being valued on the Canadian Stock Exchanges at over CA\$6 billion in mid-1996 the company became bankrupt by November 1997. The affair has been said to have been the biggest stock scandal in Canadian history and the biggest mining scandal of all time.

The scandal was described by Society member Geoff Parsons in his lecture to the Society in October 1998, '*Gold, Mineral, Metal and Intrigue*'.

It so happened that Lee Spencer was working on a prospecting project in a nearby area of Kalimantan at the same time of the Bre-X activity and was able to provide the Society with substantial first-hand information about the scandal, impact, location, geology and mineralogy.

John Chapman introduced the speaker noting that Lee Spencer had very kindly given several lectures to the Society over the years, was a very experienced consulting geologist and part-owner of a prospecting company. Latterly he had been conducting a lot of work in Queensland. John Chapman also noted that Lee Spencer had a particularly fine mineral collection.

## **The Bre-X Scandal – How Mineral Exploration was Set Back a Decade**

### **Lee Spencer**

Lee Spencer initially advised that the Bre-X disaster had set back mineral exploration by at least a decade and had a huge effect on Indonesia. The scandal had apparently spawned about twenty books and a whole new movie, (*'GOLD'*, 2016, with Mathew McConaughey, Craig T. Nelson, Stacey Keach and several other well-known American film actors). The books have been mostly written by people who were not in Busang but were mostly in Canada and the movie departs substantially from what really happened.

The speaker described something of the investment mood in Canada at the beginning of the 1990s which helped lead to the Bre-X boom. In 1991 a geologist named Charles Fipke formed a company named Dia Met to locate a source of diamonds in Canada by tracing indicator minerals and was successful in locating a diamond pipe in the Northwest Territories. The shares went from 20 cents to CA\$70 a share rewarding a number of investors. As part of the push to discover diamonds another Canadian company named Diamond Field started exploring for diamonds in Newfoundland but instead discovered a deposit of pentlandite, an important iron-nickel sulphide. Accordingly the share prices of that company also took off and reached a peak of CA\$174 in 1996 prompting a take-over offer of CA\$4.3 billion by three other companies.

In the middle of these successes came Bre-X, another Canadian company with promising prospects in Indonesia and the enthusiastic reaction of Canadian investors was probably, "Here we go again".

In 1991 John Felderhof, a Canadian geologist, was trying to raise capital to support exploration work in the Busang area. In 1993 on his recommendation the small Bre-X company became involved and drilling started. Fairly soon positive results were being reported and in 1994 the share price of Bre-X started to rise and the operators commenced raising money by issuing share options. At that stage the share price was moving up to CA\$5 but by 1995 with estimates of the gold reserve being made at about ten million ounces the share price started to really take off and reached CA\$40. By 1996 with the reserve estimated at 30 million ounces the value of the stock market capitalization of Bre-X reached six billion Canadian dollars.

At that time a number of blue chip Canadian fund managers became involved with some of the managers visiting the Busang site and being shown drill cores and then announcing that the site was the biggest discovery of the century. By early 1997 reserve estimates had reached 71 million ounces and the share price reached its peak of CA\$286.50. Some of the major investors in Bre-X were members of the Indonesian government Suharto family who urged that the company enter an arrangement with a major mining company to start mining the gold deposit. Since the government had been satisfied with the work performed by the large mining company Freeport-McMoRan which had developed the huge Grasberg copper mine in Irian Jaya an arrangement was brokered between Bre-X, Freeport-McMoRan and the Indonesian investors.

This led to the mining company performing its own drilling over the site in March 1997 and finding no gold anywhere. A week after the first negative reports the Filipino Bre-X project geologist Michael de Guzman died by falling from a helicopter into the jungle. Identification of the body when it was recovered and found to have been substantially damaged by scavengers has been regarded as unreliable.





The Bre-X crew in Borneo, circa 1997, from left: site manager Jerome Alto, senior vice-president John Felderhof, exploration manager Michael de Guzman and geologist Cesar Puspos. De Guzman died in 1997 after he fell from a helicopter. Photo by Northern Miner, (Canada).

In May 1997 the Strathcona company issued an independent report on their analyses of the original drill cores stating that the gold particles in the crushed core samples were alluvial gold. The share price, and the estimated capitalization of Bre-X, promptly crashed.

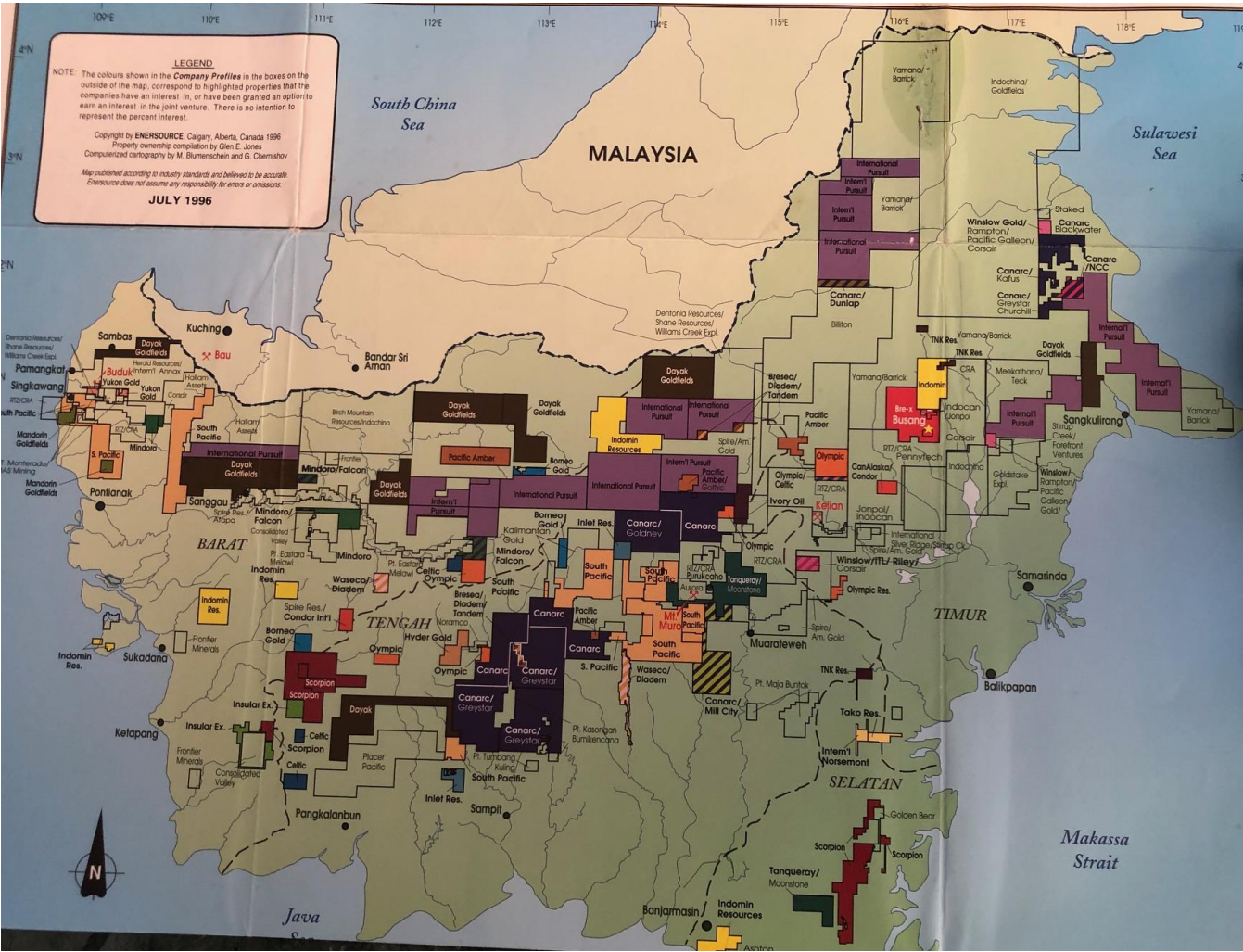
## The Perfect Storm



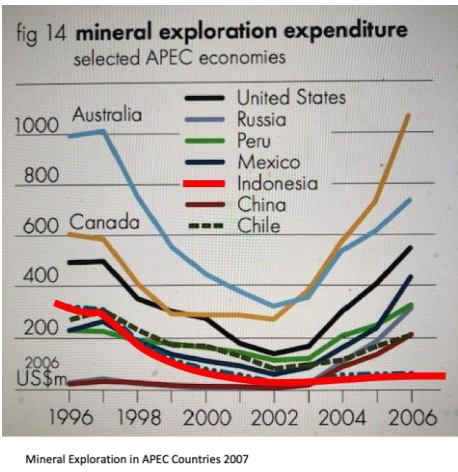
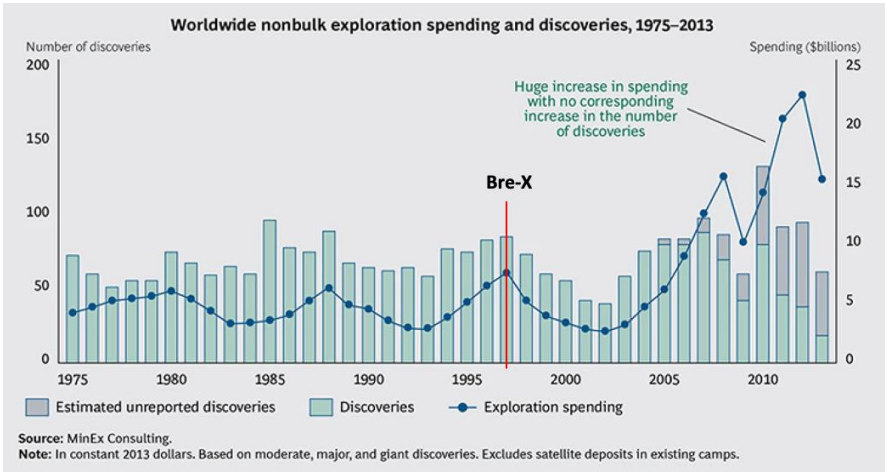
Bre-X share price movements over the period 1990 to November 1997 and notable events occurring during the rise and fall.

Lee Spencer next described the mineralogy, geology, mining potential and projects in Kalimantan by referring to a map showing projects underway or being investigated including for gold, diamonds, copper and many other economic minerals.

The Great Indonesian Staking Rush



The Busang tenement is the red block to the northeast of the island



Charts showing the change or dip in capital spending on exploration and development projects before and after Bre-X showing that for a period expenditure was substantially reduced in many countries.



## The Bre-X Impact

Equity Market Collapse – billions wiped from capital markets incl. institutional investors, loss of trust in Canadian stock market.

Global exploration significantly reduced for a decade.

Indonesia – despite prospective geology the country was subsequently regarded as a low destination for exploration funds, erosion of trust, eventually changes to excellent central government Contract of Work system to regional government small titles, changes to regulations.

Naval Gazing – new accounting and reporting systems put in place, JORC code revisions, in Canada 43-101 reporting.

Review of Due Diligence – independent verification, management integrity, “trust but verify”.


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## FORTHCOMING EVENTS

### Blaxland Gem & Mineral Club OPEN DAY Saturday 2nd March 8:30-3:30

We are pleased to advise that Blaxland Gem and Mineral Club will be holding an Open Day at our club on Saturday 2nd March. There will be sales of Slabs, Rocks, Lapidary work, and cutting, grinding and polishing demonstrations in our workshop. The open day will be held at our club at 15 The Valley Rd, Valley Heights, admission is free and there is heaps of parking.

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New England  
Lapidary & Fossicking Club Inc.

**33rd ANNUAL GEM AND CRAFT SHOW**  
**ARMIDALE SHOWGROUND**



**Saturday March 16th 2024 9am - 5pm**  
**Sunday March 17th 2024 9am - 3pm**

*See a spectacular array of:*  
**Gems, Rocks, Crystals, Jewellery, Crafts**  
**Beads & Lapidary Books/Supplies/Equipment**  
**and much more**  
*All on sale at the show*

Raffle Tickets \$1.00 Great prizes  
B.B.Q Breakfast & Lunch/Light Refreshments Available

**FREE ENTRY**

Phone: Mick....67785122  
Phone: Kerry....0407308620  
email: nelfc@hotmail.com



New England Lapidary & Fossicking Club Inc.  
Annual Show, Armidale, March 16<sup>th</sup> & 17<sup>th</sup>



Campbelltown and Districts Lapidary  
Club's  
**Open Day Market**  
**9th March 2024**  
**9am- 3pm**

Rocks, Crystals, Gemstones, Fossils  
Handcrafted Jewellery and Market  
stalls, BBQ, Cakes and Slices  
Cold and Hot Drinks

Search 'Campbelltown Lapidary Club'  
on Google Maps to find us

**Lot 1 Bensley Road,  
Macquarie Fields**

Campbelltown Lapidary Club Open Day Market  
9<sup>th</sup> March 2024

## **Minerama 2024, Glen Innes, Annual Gem Show**

To be held in the Show Grounds, Glen Innes, NSW

Fri 8th - Sat 9th - Sun 10th March 2024

Trading Hours: - 9:00am - 4:00pm Fri - Sat and 9:00am - 2:00pm Sun

The Minerama is held annually in March at Glen Innes, NSW. This gem show is one of the largest annual gem shows in NSW and features fossicking and field trips for a variety of gems in the area, (eg. *sapphire, garnet, topaz, quartz crystals, etc*). Field trips held are suitable for both beginner and expert fossickers and will visit some locations not normally open to the public.

The gem show will be attended by a large number of traders in gems, lapidary supplies, minerals, fossils, jewellery and much more with gemmologists/ and faceting experts available for advice throughout the weekend.

Contact: website - <https://www.minerama.com.au>

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## **2024 CANBERRA ROCK SWAP**

The 2024 Rock Swap will be held on Saturday 16 and Sunday 17 March in the Parrot Park, EPIC (Exhibition Park In Canberra), off the Federal Highway Canberra. Dealers and fossickers will be selling jewellery, gemstones, fossils, rocks, mineral specimens and lapidary supplies.

For further information on any Canberra Lapidary Club events, please check out the events page at <https://www.facebook.com/people/Canberra-Lapidary-Club-Inc/100094226447908/>.

Or contact the Club's Show Convener, Norm Menadue on (02) 6258 6631,

Email : [nmenadue@optusnet.com.au](mailto:nmenadue@optusnet.com.au)

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## **GEMBOREE 2024**

The 60<sup>th</sup> Gemboree, the National Gem & Mineral Show, will be held over Easter 2024, from the 29<sup>th</sup> of March to the 1<sup>st</sup> of April in Willunga, S.A.

For more information: [www.gemboree2024.com.au](http://www.gemboree2024.com.au).

The Gemboree 2024 booklet may be downloaded from the AFLACA website.

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## **The National Gem & Crystal Expo 2024**

The 2024 Expo is being held over the weekend of the 20th & 21st of April in the Hawkesbury Indoor Stadium, Stewart St, South Windsor. The Expo is probably currently the largest Gem and Mineral show being held in N.S.W and last year attracted over 3800 visitors. A bigger crowd is expected this year.

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## **The Lismore Gemfest 2024**

The Gemfest is being held over the weekend of the 18th and 19th of May in the Lismore Showgrounds at 116 Alexandra Road, Lismore.

Sat 9:00 am - 5:00 pm; Sun 9:00 am - 3:00 pm.

The Gemfest is hosted by the Lismore Gem and Lapidary Club Inc and is one of the largest Gem and Mineral shows regularly scheduled in N.S.W.

Contact: [lismore.gemfest@gemclublismore.org.au](mailto:lismore.gemfest@gemclublismore.org.au)

Web: [www.lismoregemfest.com.au](http://www.lismoregemfest.com.au)

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## MINERALOGICAL RECORDS FOR SALE

YEAR	VOLUME	NUMBER	DATE	TITLE
1977	8	5	Sept/Oct	
1977	8	6	Nov/Dec	CALIFORNIA ISSUE
1979	10	2	March/April	
1979	10	3	May/June	
1979	10	5	Sept/Oct	
1984	15	4	July/Aug	
1985	16	3	May/June	COLORADO
1985	16	4	July/Aug	
1985	16	5	Sept/Oct	TOURMALINE
1988	19	1	Jan/Feb	MINERAL MUSEUMS OF EASTERN EUROPE
1988	19	6	Nov/Dec	AUSTRALIA
1990	21	4	July/Aug	MONT ST HILAIRE
1993	24	4	July/Aug	
1994	25	1	Jan/Feb	
1994	25	2	March/April	
1994	25	4	July/Aug	
1995	26	1	Jan/Feb	TOPAZ
1998	29	4	July/Aug	THE SWEET HOME MINE
1998	29	5	Sept/Oct	
1998	29	6	Nov/Dec	GONIOMETERS
1999	30	1	Jan/Feb	
1998	30	2	March/April	
1998	30	3	May/June	
1998	30	4	July/Aug	
1998	30	5	Sept/Oct	
1998	30	6	Nov/Dec	
2000	31	1	Jan/Feb	The Joseph A. Freilich Collection
2000	31	2	March/April	
2000	31	3	May/June	
2000	31	4	July/Aug	
2000	31	5	Sept/Oct	

2000	31	6	Nov/Dec	MOCAMBIQUE
2001	32	2	March/April	
2001	32	3	May/June	
2001	32	4	July/Aug	
2001	32	5	Sept/Oct	VIA GRAVEGLIA
2001	32	6	Nov/Dec	
2002	33	1	Jan/Feb	Butte, Montana
2003	33	2	March/April	
2004	33	3	May/June	
2005	33	4	July/Aug	
2005	33	5	Sept/Oct	CALIFORNIA PEGMATITES
2003	34	2	March/April	
2003	34	3	May/June	
2003	34	4	July/Aug	
2003	34	5	Sept/Oct	MEXICO
2003	34	6	Nov/Dec	MEXICO
2004	35	1	Jan/Feb	Diamonds & Gold
2004	35	2	March/April	
2004	35	3	May/June	RARE EARTHS
2004	35	4	July/Aug	
2004	35	5	Sept/Oct	
2004	35	6	Nov/Dec	MEXICO
2004	Special Issue		2004	50-Year History of the Tucson Show. (Original price US\$20).
2005	36	1	Jan/Feb	CHINA
2005	36	2	March/April	
2005	36	3	May/June	
2005	36	4	July/Aug	
2005	36	5	Sept/Oct	
2005	36	6	Nov/Dec	
2006	37	1	Jan/Feb	
2006	37	2	March/April	LLALLAGUA
2006	37	3	May/June	
2006	37	4	July/Aug	
2006	37	5	Sept/Oct	ERONGO
2006	37	6	Nov/Dec	
2007	Special Issue		Jan-Feb	Ikons: Classic & Contemporary Masterpieces
2007	38	1	Jan/Feb	CHINA
2007	38	2	March/April	
2007	38	3	May/June	
2007	38	4	July/Aug	
2007	38	5	Sept/Oct	BOU AZZER, MOROCCO
2007	38	6	Nov/Dec	

2008	Special Issue		Jan-Feb	The Marc.P.Weil Collection of Fine Minerals
2008	39	1	Jan/Feb	
2008	39	2	March/April	
2008	39	6	Nov/Dec	MEXICO
2008	Supplement		Nov-Dec	The Miguel Romero Collection of Fine Mexican Minerals
2009	Special Issue		Jan-Feb	TEXAS
2009	Special Issue		May/June	WILENSKY FINE MINERALS
2009	40	4	July/Aug	
2009	40	5	Sept/Oct	MERELANI, TANZANIA
2009	40	6	Nov/Dec	
2010	Special Issue		Jan-Feb	The Lindsay Greenbank Collection: of Classic Minerals of NORTHERN ENGLAND
2010	41	1	Jan/Feb	
2010	41	2	March/April	
2010	41	3	May/June	MADAGASCAR
2010	41	4	July/Aug	
2010	41	5	Sept/Oct	
2010	41	6	Nov/Dec	
2011	Special Issue		Jan-Feb	PRIVATE MINERAL COLLECTIONS IN ITALY
2011	42	1	Jan/Feb	
2011	42	2	March/April	
2011	42	3	May/June	
2011	42	4	July/Aug	
2011	42	5	Sept/Oct	MEXICO
2011	42	6	Nov/Dec	CHINA
2012	43	1	Jan/Feb	
2012	43	2	March/April	
2012	43	3	May/June	
2012	43	5	Sept/Oct	CHINA
2013	44	1	Jan/Feb	
2013	44	2	March/April	
2013	44	3	May/June	
2013	44	4	July/Aug	
2013	44	5	Sept/Oct	
2013	44	6	Nov/Dec	
2013	Special Issue		Nov-Dec	Mineral Collections of the CRYSTAL GAZERS
2014	Special Issue		Jan-Feb	A FEW AFRICAN FAVOURITES
2014	45	1	Jan/Feb	
2014	45	2	March/April	
2014	45	3	May/June	SAR-E-SANG
2014	45	4	July/Aug	
2014	Special Issue		Sept-Oct	Mineral collections in TEXAS



2014	45	5	Sept/Oct	
2014	Special Issue		Nov-Dec	Mineral collections in COLORADO
2014	45	6	Nov/Dec	
2015	46	1	Jan/Feb	PEDERNEIRA
2015	46	2	March/April	
2015	Special Issue		May-June	The Collector and his Legacy :- Irene du Pont
2015				and the MINERALOGICAL COLLECTION
2016				of the University of Delaware
2015	46	3	May/June	Freiberg
2015	Special Issue		July-Aug	Mineral Collections in the AMERICAN MIDWEST
2015	46	4	July/Aug	ARIZONA
2015	46	5	Sept/Oct	
2015	Special Issue		Nov-Dec	Mineral collections in AUSTRIA
2015	46	6	Nov/Dec	
2016	47	1	Jan/Feb	COLOMBIAN EMERALDS
2016	47	2	March/April	
2016	47	3	May/June	
2016	Special Issue		July-Aug	Mineral Collections in the AMERICAN
2016				NORTHEAST. (460 pages)
2016	47	5	Sept/Oct	MEXICO
2016	47	6	Nov/Dec	Tilly Foster

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