



THE MINERALOGICAL SOCIETY OF NEW SOUTH WALES INC

Website: www.minsocnsw.org.au

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

NEWSLETTER SEPTEMBER 2024

The September Meeting will be held on Friday the 13th of September at 7.30 p.m. in the clubrooms of the Parramatta and Holroyd Lapidary Club at 73 Fullagar Road, Wentworthville.

Members Please Note: The September and October Meetings are being held on the second Fridays of these next two months.

In September a Field Trip to a number of sites in the New England area is being held from Monday the 2nd to Friday the 7th which a number of members will be attending and therefore would be away from Sydney. Accordingly the usual first Friday Meeting has been put back to the second Friday.

In October there will be the long weekend and Public Holiday of Monday the 7th, (Labour Day), and also the **46th Annual Seminar of the Joint Mineralogical Societies of Australasia** is being held in Brisbane over the same weekend from Friday the 7th to Wednesday the 9th.

The program at the September meeting will include a lecture to be given by Malcolm Southwood on :-

Smithsonite from Tsumeb: Colour and Chemistry.

Since the lecturer is resident in South Australia he will give the lecture in virtual mode but the rest of the Meeting will be 'live'.

The lecture will be followed by a talk to be given by Dieter Mylius :-

A Light Globe Moment and an Unusual Mineral

FORTHCOMING MEETINGS and PROGRAMS

October 11th (Second Friday).

There will be a lecture but the speaker and subject are to be confirmed.
There will also be a talk by David Colchester on : **-Introduction to Crystallography – Part 1**

November 1st: The Meeting Program is to be confirmed.

Saturday December 7th **Christmas Social, Swap and Sell**

The SOCIETY COMMITTEE

PRESIDENT:	Dieter Mylius E-mail:	Mobile: 0412 516 193 dieterm@internode.on.net
VICE-PRESIDENT:	John Chapman E-mail:	Tel: (02) 9808 3481 chapmanjr@optusnet.com.au
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TREASURER:	Graham Ogle E-mail:	Mobile: 0400 683 574 quartzandsirius@hotmail.com
COMMITTEE MEMBERS:	Haley Bambridge Denis O'Brien Geoff Parsons Mark Walters Ed Zbik	Mobile: 0413 100 344 Tel: (02) 6360 3412 Tel: (02) 9548 3289 Mobile: 0421 012 647 Mobile: 0401 538 480

WELCOME

Welcome to new members,
Reginald and Merrilyn Court of Bowen Mountain,
Andrew Barnes of Long Jetty
and Margaret Mairi Wilson of Granville.

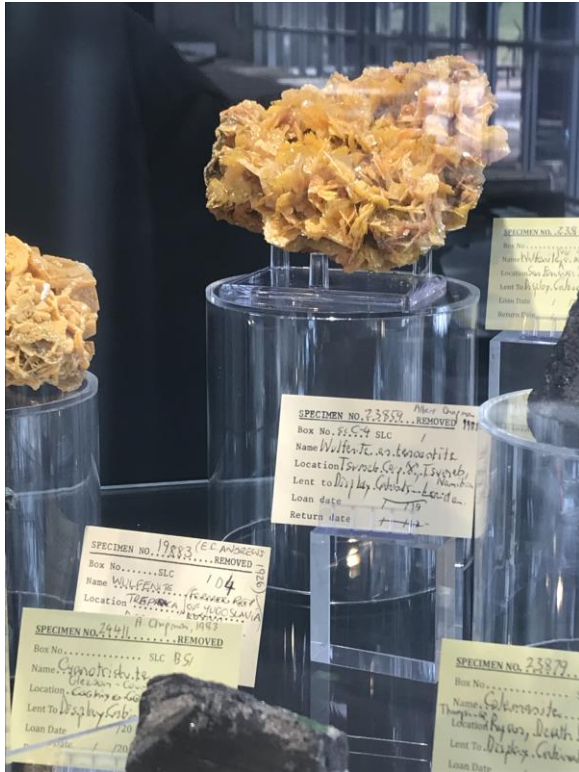
Visit to the New Mineral Display at the W.B. Clark Geoscience Centre in Londonderry

On the 1st of August a small number of members were pleased to accept the invitation from Paul Meszaros to visit the NSW Dept of Mineral Resources W.B. Clark Geoscience Centre Core Library and Economic Rock and Mineral facility at Londonderry. The Centre has a very substantial mineral display which is scheduled to become open to the public later in the year.



The visitors and staff in front of the Mineral display.

The Core Library has 1.13 million metres of drillcore comprising 50% from metalliferous exploration, 40% from coal exploration and 10% from other drilling programs such as geotechnical drilling. It has been said to be the world's largest mineralogical database. A drill-core imaging and spectroscopic scanning service is available using the CSIRO-developed HyLogger spectral scanner instrument which was also shown to the visitors.



One of the mineral display cases



Part of the drill core stacks.

THE AUGUST MEETING

The Meeting was opened by the Society President, Dieter Mylius, who welcomed members to the **Annual General Meeting**. The Meeting was attended by some twenty members with a number of others attending by virtual mode, providing a quorum. Initially the President dealt with a few announcements.

Graham Ogle reported that the Society Micro-group would be meeting on Sunday the 11th at John Chapman's house. The theme would be to examine Tollwong and Woodlawn minerals.

The Vice-President John Chapman described the visit made by a few members to the **W.B. Clark Geoscience Centre** in Londonderry. He advised that only a few members attended and those who did not had missed a very interesting excursion which had included viewing the Centre's magnificent mineral collection. Society member Julie Marshall who had been one of the visitors at the Centre was invited to address the Meeting to give her impressions of the visit. After noting her surprise to find that the term 'Core Library' did not mean books but comprised over a million metres of rock drill cores Julie extolled the quality and quantity of the minerals on display. The cabinets were divided into ones first displaying specifically minerals from Broken Hill, then the next cabinets were of minerals from elsewhere in New South Wales, then minerals from the other states, then international minerals and the final cabinet had a display of tektites. The visitors were also shown and had described to them the function of the Hy-Logger hyperspectral core scanning instrument. Julie Marshall finally complimented the hospitality of the Geoscience Centre staff in providing refreshments at the end of a very interesting two-hour visit.

John Chapman reported that the **Geoscience Centre Mineral Collection** would be open to the public later in the year and recommended that members make a point of visiting it whenever possible.

Mark Walters reported on the forthcoming **Field Trip to New England** commencing on the 1st of September that had been organized by Brian Holden. This had involved Brian in a considerable amount of travelling over the area to check access to a number of sites which were scheduled to be visited over the several days of the Trip. The number of attendees had to be limited and the trip was now fully subscribed but members not yet registered could ask their names to be kept in reserve in case of cancellations. Final details would be e-mailed to the members within a week or so.

Brian Holden also announced that there would be a **Mineral Show** held by Peter Beckwith in the Penrith Valley Regional Sports Centre in Cambridge Park over the 24th and 25th of August which would involve the first showing of Asahel Bush's collection.

With no further announcements being made the President commenced the official business of the A.G.M. and delivered his Annual Report.

Minutes of the ANNUAL GENERAL MEETING Friday 2nd of August 2024

Presidents Report August 2024

I looked over past Presidents Reports back to 2014, and found them all very similar, a report on numbers, activities, and the thanking of all involved. So rather than go down the same path, this year I'll summarize in point form:

- * Our numbers are basically steady at just over 100 members, and financially, we are in great shape, with little change from the previous year.
- * Although we are not really growing, we are not shrinking either, which cannot be said of many other special interest clubs and societies.
- * Friday night attendances have been steady at 20 to 35 members
- * On Zoom we have a dedicated 8 to 15 attendees, and it seems to serve a need for those unable to attend Friday evenings.
- * Field trips have been happening, some with great success.
- * The micro mineral group has a dedicated few that attend when they can, and is still one of the best ways to acquire free new, albeit small, specimens.
- * The library is still being worked on, acquiring Min Records, Rocks and Minerals and the odd book.
- * The website; it looks great, be we await further training so that more members can add and update content.

Just a few of the highlights of 2024 as I see them

Manuka - this field trip locality keeps giving, with the last trip again proving fruitful with many people finding superb samples, and of course some weird stuff. This last trip was also charged with finding 300 suitable quartz crystals for TESEP, Teacher Earth Science Education Program, for mineral kits to go into schools.

Mt Tennyson - another field trip to the skarn on the Great Dividing Range, where most of the species that we were supposed to find, were found, with some quite nice examples of garnet, molybdenite and powellite.

A few months ago, the interactive evening on caring for and organising your mineral collection involved lots of participation from everybody, which made for a great evening, where we all learned something, and got a peak into other people's way of doing things.

After 7 years, a lot of work, some disappointments and a field trip for the insane, the 2 Part Tolwong Paper was published on Steve Sorrell's website.

And of course, there were other great Friday night talks and the auction. Always a great night.

I must thank several people:

First up, if you attend Fridays on Zoom, you have no idea about the delectable goodies supplied by Marion each meeting. She says she likes to feed people, and that she does with bells and whistles. Thank you Marion.

Honestly, what would we do without George Laking? He does the heavy lifting in regards to the day to day running of the society, and keeps track of membership, insurances, the newsletter; the list goes on and on. If it happens, George is involved in it somewhere.

John Chapman, our Vice President, is always active behind the scenes organising the monthly program, and always coming up with new ideas. John certainly keeps us on our toes.

Graham Ogle keeps track of all the money, while keeping our financial position transparent and easy to understand. Through Grahams Zoom account we also keep our remote activities, such as Friday meetings and committee meetings going.

Mineralogical societies thrive on field trips. Mark Walters has taken on the often frustrating task and sheer hard work of organising field trips. It is no longer just a matter of pulling up somewhere and bashing a few rocks. You have to find worthwhile places, getting the necessary permissions, doing the paperwork, leading field trips and so on. This has all been very ably handled by Mark, but we are wearing him out, and he does have a job, so he desperately needs to share the load with more willing bodies, whether on the committee or not. He will explain what is needed. Mark also administers the SWMS certification for people going on field trips.

We are lucky in that we have enough willing members in the Society to fill all the positions in the committee, which seems to be a struggle for some others. The committee has seen little change over the years, but it is quite a harmonious group and that is always a blessing. But we are goethite, rusted on, we are not getting any younger, and so new blood is fast becoming a real need. We have found with Denis O'Brien, zooming in from Orange, that committee members do not need to be Sydney-siders and George is great at keeping you in the loop. Remember, things don't just happen, someone does them.

It seems silly to wish the incoming committee a successful year, because, for the most part, unless there is a late rush, it's wishing ourselves all the best.

Some things we should perhaps look at in the coming year:

- * Set up a field trip subcommittee to find localities, leads and make sure our activities comply with regulations. We might have to start tapping people on the shoulder.
- * Learn how to take control of our website
- * Find members willing to serve as future committee members
- * Given that the Society is not exactly poor, look at potential projects, for ourselves and outside the Society that we may undertake.
- * The committee is always open to suggestions.

Thank you to everyone for the continuing support, enthusiasm and encouragement. Thank you to all who contributed to talks, helped with refreshments, in the setting up each Friday, and cleaning up of the room we inhabit.

Thank you
Dieter Mylius
President, Mineralogical Society of NSW

The Society Treasurer, Graham Ogle apologized that the **Annual Financial Report** was not quite completed and would be presented to the membership at the subsequent September General Meeting to be proposed and accepted. In the meantime he reported that the Society was financially sound and in a similar financial position to the same period the previous year.

FINANCIAL STATEMENT 2023-2024

		2023-24	2022-23
<u>Funds in hand:</u>	Balance in Operating Account CBA # 06 2016 28023647	\$8,486.03	\$8,704.26
	Funds in CBA Term Deposit 1 – Betty Mayne Bequest	\$31,966.32	\$31,966.32
	Funds in CBA Term Deposit 2 - Walker Bequest	\$72,580.36	\$69,788.91
	Cash in Hand	\$46.00	\$46.00
<u>Liabilities:</u>	Kids with Cancer Foundation \$515, Reimbursement zoom payments \$646.80	\$ -	\$161.80
<u>Total Funds at 30th June</u>		\$113,078.71	\$109,343.69
<u>Increase in funds</u>		\$ 3,735.02	\$ (595.82)
<u>Income:</u>	Membership subscriptions	\$2,300.00	\$2,245.00
	Supper donations and mineral sales	\$868.10	\$777.90
	Sale for Kids with Cancer	\$224.00	\$515.00
	George Smith /Gemstones NE book sales + others	\$364.95	\$50.58
	Interest on operating account	\$40.35	\$39.54
	Seminar	\$ -	\$ -
	Interest on term deposit (into operating account)	\$1,262.67	\$159.83
	Interest on term deposit (reinvested into term deposit)	\$2,791.45	\$523.86
<u>Total</u>	\$7,851.52	\$4,311.71	

Expenditure:	Supper items	\$286.28	\$423.05
	Rent - hall hire	\$380.00	\$740.00
	Seminar	\$ -	\$ -
	Transfer of money raised for Kids for Cancer	\$224.00	\$ -
	Printing, postage, stationery, Subs, PL ins., Dept Fair Trading, PAI, Speaker, Website, Library, Equipment etc.	\$4,388.02	\$2,582.68
	<u>Total</u>	\$5,278.30	\$3,745.73

Income -			
Expenditure:		\$2,573.22	\$565.98
		(different to profit as 3 liabilities paid for)	

Other Assets

Mineral Trimmer, UV Lamp, Geiger counter, Microscopes,
Library and shelving, UHF radios (2), Projector, PA system, Urn.

The above statement indicates that the Society is in a sound financial position.

Graham Ogle
Treasurer
3rd August 2024

ELECTION OF THE SOCIETY COMMITTEE FOR 2024/2025

The next Order of Business was the election of the Society Committee for the forthcoming year. Dieter Mylius asked Glenn Brown to come forward and take on the task of Returning Officer to conduct the election.

The Returning Officer noted that up to the commencement of the A.G.M. there had been only one nomination received for each Committee position. Since there was only one nominee presented for each position the Returning Officer was able to dispense with any balloting and declare the nominees duly elected as follows -

PRESIDENT:	Dieter Mylius
VICE-PRESIDENT:	John Chapman
SECRETARY:	George Laking
TREASURER:	Graham Ogle
COMMITTEE MEMBERS:	Haley Bambridge
	Denis O'Brien
	Geoff Parsons
	Mark Walters
	Ed Zbik

With the Election over the re-elected President advised that the 2024 Annual General Meeting was concluded.

As has been customary after the Society A.G.M. has been held, the background to the **Mayne-Walkers Memorial Lecture** was explained. At the suggestion of the late Professor Laurie Lawrence the Lecture was named in acknowledgment of three major benefactors to the Society. Betty Mayne was a past-President of the Society up to 1990 and brother and sister Harold and Edna Walker loyal members during the early 2000s. In passing away, Betty in 1990 and Harold and Edna Walker in 2011/2012 respectively. Their wills provided about half of the proceeds of their estates to be given to the Society. The bequests have been held as term deposits with interest allowed to accumulate or added to the current account.

The President then welcomed the speaker who was to give the 2024 Memorial Lecture. Brian England is a very long-time member of the Mineralogical Society and has provided a number of lectures at Meetings over the years. He has published extensively in various publications including the A.J.M. and Society members would have enjoyed reading his articles on the Hunter Valley and Kingsgate, among many others. This evening he was to describe the Wonawinta mine, now operated by Manuka Resources, which is one of the largest silver mines in Australia and in the world. It has estimated reserves of 50 million oz of silver and has also produced a large number of quartz crystals displaying a wide variety of forms.

The MEMORIAL LECTURE

The Wonawinta (Manuka) Silver Mine

Brian England

Initially the speaker advised that the mine name correctly was Wonawinta but the name Manuka became established in articles written in the Australian Journal of Mineralogy by Ian Graham. It is located about 90 kilometres south-southwest of Cobar in the central west of New South Wales. Brian England had been to the mine five times over the last ten years on Mineralogical and Geology Society field trips. With reference to a series of images of maps, diagrams, texts and photographs he described the mine, its history, mining operation, geology, and mineralogy in considerable and well-illustrated detail.

CLIMATE

Koppen classification
Hot persistently dry semi-arid
Mild winters and hot summers (Over 40°C)
400mm annual rainfall
But average evaporation is 2400mm per year!

FLORA AND FAUNA

Bimble box on drainage flats
Scattered white Cyprus Pine
Home to 470 native animals – mainly birds,
also feral pigs and goats

GEOLOGY OF THE COBAR REGION

Lies within the Lachlan Fold Belt and is underlain by Ordovician marine turbidite-derived sandstones, siltstones, mudstones and interbedded deep-water cherts of the Girilambone group.

Around 440 ma the sediments were folded, faulted and regionally metamorphosed by compression in the Benambran Orogeny.

Crustal extension during the late Silurian to early Devonian (420-410ma) led to the opening of the Cobar Basin and Mount Hope Trough as centres of deposition.

These basins were then deformed during a compressional phase in the middle Devonian (385ma) to produce much of the structural geology we see today.

THE MANUKA MINE A BRIEF HISTORY

Geopeko ltd / Norgold Ltd detected several anomalies on Wonawinta station during a regional geochemical survey in the 1980s. Subsequent drilling by Cobar Consolidated Resources outlined a large near-surface supergene silver resource. Mining began in 2011.

The mine was further developed by Black Oak Minerals before being taken over by Southern Cross Goldfields, then in 2015 by Manuka Resources.

ORE RESERVES

At 19/5/24 the resource was estimated at 38.3 Mt at 41.3 g/t Ag (51 million oz of silver). Silver mineral is probably bromargyrite (AgBr), as bromine has been produced as a by-product. High-grade component of 4.5 Mt at 97 g/t (14 million oz of silver). Reserves also contain 207,000 tonnes lead but this is not recovered. Mercury also produced as a by-product but there is no market. The largest and most recently developed silver mine in Australia.

OPERATIONS

The 180,000 tpa processing plant began operations in August 2012 after an investment of \$60 million. An initial recovery of 72% of contained silver in the feed. Uses carbon in pulp (CIP) technology with the silver recovered using hot NaCN solution and the carbon recycled. The crude silver dore (impure bars) are sent off-site for refining. The last production run in 2019 before operations temporarily ceased due to low silver price, was 6 tonnes! Up until December 2023 the same plant was also used to recover gold from ore trucked in from the Mount Boppy Mine near Canbelego, 150km to the north, where mining recommenced in 2015. Manuka Resources recently (19/5/24) announced a new capital raise to bring the Mount Boppy mine into full production in late 2024. Cash flows from Mount Boppy will support the potential restart of the Manuka mine as a dedicated silver operation in 2025. The Manuka mine is currently under care and maintenance.

CROSS SECTION OF BOUNDARY PIT GEOLOGY

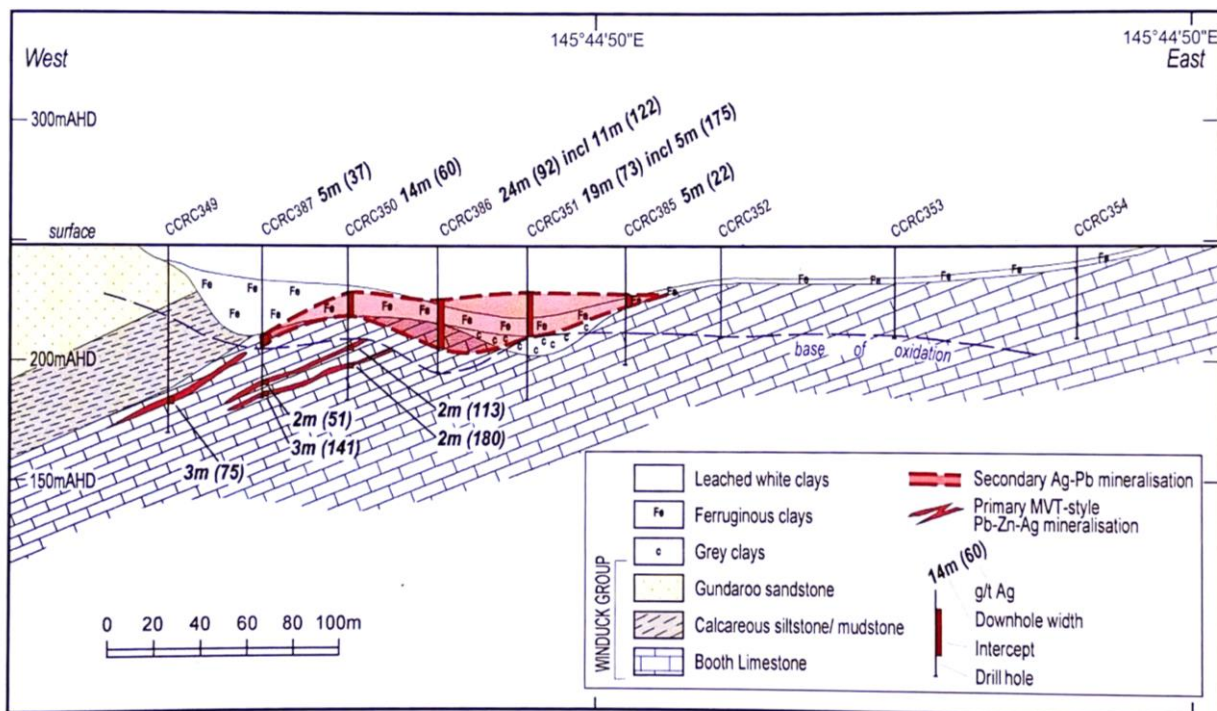


FIG 7 – Schematic section of Boundary pit, Wonawinta mine.

ORE GENESIS

Shows many similarities with Mississippi Valley Type (MVT) deposits.

Low temperature brines scavenged metals from topographic highs and carried them in solution under gravity down through the host dolostone to deposit as sulphides along faults, breccia zones, folds and collapse structures. These fluids are rich in sulphate, CH₄, organic compounds and hydrocarbon droplets.

The Principal Ore Horizon lies within saprolitic claystone formed by intense acid leaching of the dolostone protore by the acid released from the oxidation of pyrite in the overlying shale.

The Manuka deposit has undergone repeated tectonic episodes which have influenced the mineralogy and mode of occurrence of the minerals in the deposit.

QUARTZ MINERALOGY

The Manuka mine has become internationally famous among collectors for the superb crystals of quartz which litter the mine dumps. Colour varies from cloudy white through colourless to varying shades of smokey brown. Crystals are usually only partially water-clear. But the astounding variety of habits makes this locality unique.

CRYSTALLOGRAPHY

Combinations of rhombohedra
 $r\{1011\}$ and $z\{0111\}$, often vertically offset
 Plus prism $m\{1010\}$.
 No enantiomorphism.
 Parallel growth common.
 Some symmetrical distortion. Sceptres

HABITS

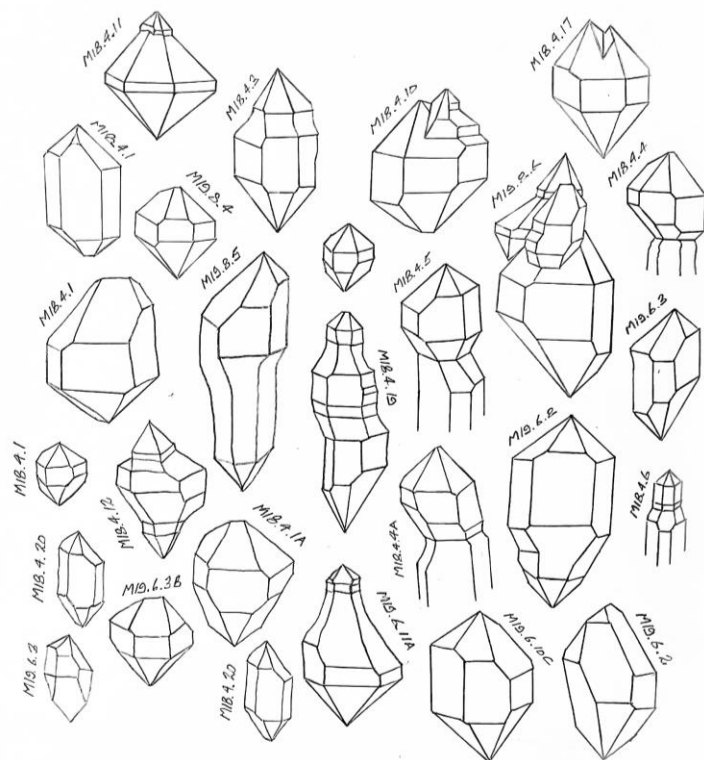
Prismatic idiomorphic
 quartzoids,
 Sceptres, reverse sceptres
 repeated and/or alternating reverse & normal
 septres, rare Jacare habit tapered forms
 various combinations of the above.

OCCURRENCE

In vugs in breccia zones in the dolostone protore
Dolostone concretions in mudstone bands in protore
 Scattered throughout the saprolite ore bed
 Horizontal zones of crystal pockets in the saprolite ore remnant after leaching of mudstone host rock

CRYSTAL GROWTH

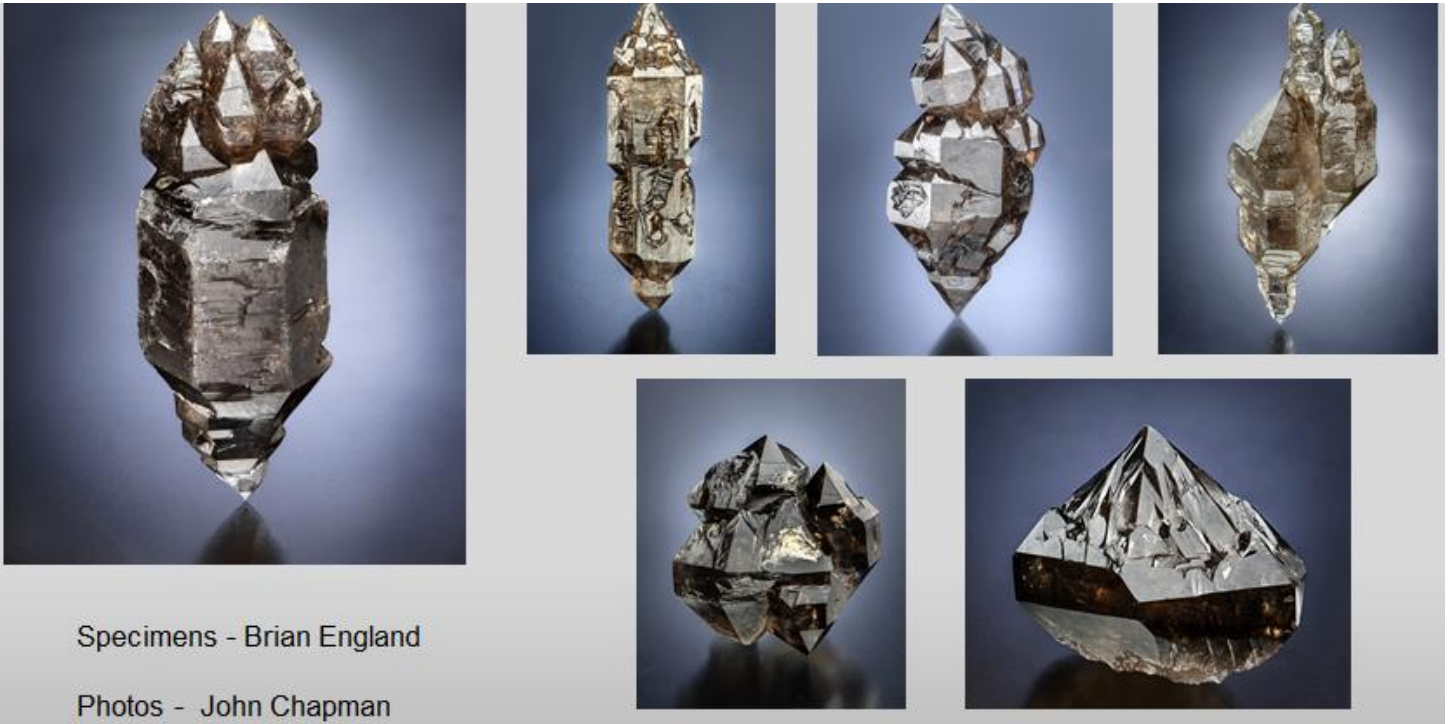
Especially in mudstone bands crystals are rarely attached to vug walls so are doubly terminated with no visible point of attachment.
 Crystals commonly fall out when vughs broken open.
 They appear to have grown suspended in fluid as the penultimate species (before calcite).
 Size and shape governed by size and shape of the available space.



Crystal Drawings from the Brian England Collection

As Found 8.5cm

QUARTZ CRYSTAL PHOTOGRAPHS



The Rocket – 9 cm



Parallel growth – 4 cm



The Tent – 3 cm

Information Sources

BROWN, R.E.; COFFEE, J.; HOSKEN, J.; JOHNSTON, C. and LENARD, M. (2017). Cobar District Mineral Field. In: PHILLIPS, G.N. (Editor). *Australian Mineral Deposits*. Australasian Institute of Mining and Metallurgy, Melbourne, 744-745.

ENGLAND, B.M. (2019). Geology and Mineralization in the Cobar Trough and adjacent areas. *Geolog* 2019, 59-83.

HARRIS, S.J.; GRAHAM, I.T.; LAY, A. and COLCHESTER, D.M. (2017). Complex smoky quartz crystals from the sediment-hosted Manuka Zn-Pb-Ag deposit, Cobar Basin, New South Wales. *Australian Journal of Mineralogy*, 18(2), 5-21.

FORTHCOMING EVENTS

The State Gem and Mineral Show: **GEMKHANA. 28th – 29th September**

The State Gem and Mineral Show, **GEMKHANA 2024**, will be held over Saturday the 28th and Sunday the 29th of September in the Hawkesbury District Agricultural Show Grounds at 40 Racecourse Rd, Clarendon.

Featuring Hand crafted Jewellery, Faceted Stones, Polished Stones (Cabochons), Stone Carving, Minerals & Fossils, Crystals.

The 46th Annual Seminar of the Joint Mineralogical Societies of Australasia Brisbane: From Saturday the 5th to Wednesday the 9th of October 2024.

The following information about the 46th Seminar and images of Brisbane and the Queensland Museum has been downloaded from the Seminar Website:-
<http://www.mineral.org.au/seminar/seminar24.html>

“The Theme is ‘Speaker’s Choice’. The lecture program will occupy Saturday and Sunday, there will probably be Micromount and Sales on Monday and Field Trips and Gem and Mineral Show visits are planned for Tuesday and Wednesday.

The **Mineralogical Society of Queensland** are your hosts for our national seminar in October 2024. The selected venue for the seminar is the theatre within the Queensland Museum at Southbank, Brisbane - home to previous joint seminars, and within easy walking distance of the Brisbane CBD. Seminar presentations will be held on **Saturday 5th and Sunday 6th October** and will be fully catered on both days. We are currently assembling a range of guest speakers that are sure to appeal to anyone interested in mineralogy, gemmology and mineral collecting. The speaker topics will cater from general interest to professional levels and a broad audience. A Seminar dinner is planned for the night of **Saturday 5th October** within the seminar precinct. **Monday 7th October**, a public holiday in Queensland, is earmarked for state society meetings early on, followed by the Australian Journal of Mineralogy AGM. Once these meetings conclude, a swap and sell session, as well as a microgroup meeting will be held. On the afternoon of **Monday 7th October**, a choice of visits to private mineral collections in Brisbane or the Brisbane Opal Museum are available.

On **Tuesday 8th and Wednesday 9th October**, a field trip is planned within south east Queensland which will entail an overnight stay, and approximately 3.5 hours drive time from Brisbane. It will be easy fossicking with minimal tools and sunscreen recommended!

REGISTRATION FOR OUR SEMINAR

Seminar registration forms and payment details to attend the seminar are available.

(The Seminar registration form with an explanatory mail were distributed to members in July. Further copies can be provided by the (NSW Society) Vice-President John Chapman or Secretary George Laking).

The guest speakers and chosen topics will be published on the seminar website as soon as we have the finalised details locked in. In the meantime, if you have any questions, or you wish to register your interest now, please contact our Secretary, **John Hayward**, on jonward99@optusnet.com.au, or our Treasurer, **Katherine Bracco** on minsocqld@gmail.com.

Joint Seminars are a great chance to add to your mineralogical knowledge in a friendly space, and to meet fellow enthusiasts from around Australia and New Zealand. The seminar only comes to Queensland once every 6 years, so plan now so that you don't miss out!"

Seminar Guest Speakers

Speaker	Subject
Josh Irving	Thackeringa garnets and how they formed
Lawrence Queen	Mineralogical curiosities from the Last Unknown: Collectable minerals of Papua New Guinea
Ross Pogson	The New Minerals gallery of the Australian Museum, Sydney
Dayna McGeeney	Rare and unusual gemstones in the Australian Museum collection
Garry Gatfield	Gold Rushes of Modern Times
Val and Geoff McDonald	Queensland Opal and Opal Deposits
Tony Forsyth	The Plainview Meteorite – newly described for Queensland
John Hayward	Wave Hill, NT. Minerals and Mineralogy
Andrew Turkington	The Minerals of Vietnam
Ralph Botterill	40 years of chasing minerals in Tasmania

LAPIDARY, CRYSTAL, GEM & JEWELLERY SHOW

The Central Coast Lapidary Club Inc

The Central Coast Lapidary, Crystal, Gem & Jewellery Show is going to be held on Saturday the 19th & Sunday the 20th of October at the Mingara Events Centre, Wyong road, Tumbi Umbi, Central Coast.

For more information : - Tel 02 4362 2246 Secretary cclc@gmail.com

[Facebook.com/centralcoastlapidaryclub](https://www.facebook.com/centralcoastlapidaryclub)

Cessnock Gem and Mineral Club Auction: Saturday 2nd Nov 2024

Being held in the Cessnock Gem & Mineral Clubhouse, Hall Park, Stephen Street, Cessnock West, NSW.

Commencing at 10:30 am (*Viewing from 10:00 am*). Gems, Slabs, Cabachons, Faceting Material, Fossils, Specimens and Jewellery. Light Refreshments available at small cost. Cash & Card Accepted.

For more information – Lynda Marshall – Auction co-ordinator. email: merriwa2001@yahoo.com.au
