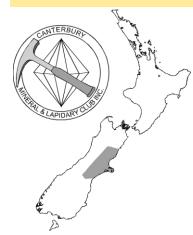
THE CMLC NEWS

The Canterbury Mineral & Lapidary Club Inc. Newsletter for September 2025



President: Tessa Mitchell-Anyon: mitchellanyon.tessa@gmail.com

Treasurer: Lynda Alexander: lyndacalexander@gmail.com
Secretary: Kamen Engel: cmlclub@chch.planet.org.nz
Bulletin Editor: Tyler McBeth: tyler @hotmail.co.nz

Club Mailing Address: 93 Winters Rd, Redwood, Christchurch 8051;

Email: cmlclub@chch.planet.org.nz
Website: www.cmlclub.org.nz

Instagram: https://www.instagram.com/canterburyminerallapidaryclub/

Facebook: https://www.facebook.com/p/Canterbury-Mineral-and-

Lapidary-Club-100064175581041/

Meeting Venue & Clubrooms: 110 Waltham Road, Waltham, Christchurch 7:30 pm on the second Thursday of the month [Feb. to

Nov.]

Monthly Meeting (7.30pm): 11th September Committee Meeting (7pm): 18th September Micro Mineral Meeting: Tuesday evenings (7 pm)

Workshops: Every Tuesday, Friday evenings, 6.30/7:00pm – 9:00pm

Welcome New Members:

David Chivers and Gloria Grace

The September Meeting: Tessa Mitchell-Anyon will be giving a talk on her trip to Rakiura/Stewart island

Field Trip: The September field trip will be for the annual CLMC gem show on the 20th and 21st of September!

September Auction: Julian Twiss will be selling agates, crystals and an assortment of international stones

Slab Saw for sale: Julian Twiss has a Lortone 18-inch slab saw with a new Greenline highland park blade. It is for sale at \$4000. If you're interested, please contact Julian at 027461463, or email at Julian.twiss@naiharcourts.co.nz



CMLC Gem Show

The countdown begins as we are now weeks away from the annual gem show! Save the dates on your calendar and be sure to check out this incredible gem show at the Waltham Rd clubroom this month!

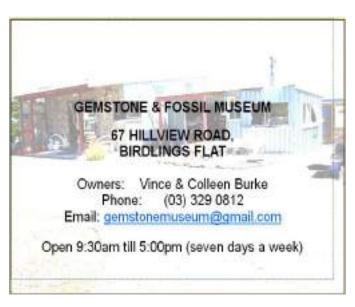
Chucky Trailer: We will be having our always popular chucky trailer as usual. If you have any rough material you are looking to get rid of, please bring it along to a general meeting or workshop evening so we can fill the chucky trailer.

Showcases: If you are interested in having a showcase at the show, please let John Taylor know.

Stallholders: We still have space outside for a few small tables so please get in touch with us if you would like to be part of the show and sell some material! cmlclub@chch.planet.org.nz

Volunteers: If you can spare some free time to help out with the show, please email cmlclub@chch.planet.org.nz to find a role that suits you best. We cannot do this without all you wonderful people's support!

Raffle: We are looking for donations for raffle prizes. If you have anything you are willing to donate, please bring it along to a monthly meeting and give it to Val Lear, or a member of the committee to pass along. This is always a good fundraising activity for the club so any donations are greatly appreciated.







There are currently some incredible raffle prizes to be won! As you can see, there are top shelf agates from New Zealand and overseas, as well as fossils such as high quality toredo wood from Otago and a very special Matariki stone Sphere which was expertly crafted by club member, Robin Hall

Letter from the Competition Judge

Hello all newsletter readers!

Many thanks to all those who entered into the August competition, I was absolutely delighted with how well it went. I asked for more material, new, unusual, and even a little strange, and you certainly delivered! For the first time in a long while, our competition table was completely packed with weird and wonderful objects.

Of course, this made my role as judge a real challenge, but it was a challenge I thoroughly enjoyed. My personal favourites from the night were Malcolm's large fossilised Tampa Bay coral and John Taylor's polished variscite.

I'd love to see this month's table just as full, if not fuller. The competition is a fantastic way to showcase what's out there to new members, and it's also a great source of inspiration for anyone planning their next fossick or purchase.

I hope you enjoyed last month's entries as much as I did, and I look forward to seeing your name among the entries at our upcoming meeting.



A lovely agate in the centre, with Aotea stone bottom left, and Norwegian Thulite on the right!

Stay safe, and happy fossicking!

- Kamen Engel, Secretary.



Amazing agatised fossil corals for the fossil section of the August competition!

Monthly Competition Results for August

Ranking	Lapidary own work: Any tumbled stone	Fossil: Fossil coral	Mineral: Something blue or green	Alphabet cup: State or country starting with (E, N)	Agate Arena: Any Magpie	Bring N Brag
1	Scott Hardwick	Malcolm Luxton	John Taylor	Malcolm Luxton	Tyler McBeth	Paul Morgan
2	Robin Hall	Rosalie Clarke	Chris Thian	Chris Thian	Malcolm Luxton	Scott Hardwick
3	Campbell Potter	Ava Wilson	Scott Hardwick	John Taylor	Lindsay Day	Lindsay Day
4	Chris Thian	Chris Thian	Campbell Potter	Zena Wilson	John Taylor	Don McLaughlin
5	Zena Wilson	Lindsay Day	Tracey Freeborn	Ava Wilson	Ron Poskitt	
6	John Taylor	Zena Wilson	Tessa Mitchell- Anyon	Rosalie Clarke	Nate van Hout	
7	Tessa Mitchell- Anyon	John Taylor	Lindsay Day	Ron Poskitt	Robin Hall	
8	Malcolm Luxton	Tessa Mitchell- Anyon	Zena Wilson	Lindsay Day	Ava Wilson	
9	Lindsay Day	Ron Poskitt	Ava Wilson			
10	Rosalie Clarke					
11	Ava Wilson					
12	Ron Poskitt					

Upcoming Competitions for 2025/2026:

Category	Lapidary <u>own</u> <u>work</u>	Fossil	Mineral	Alphabet cup: State or country starting with ()	Agate arena
Sep-25	Two halves of anything	Any tooth Any form of quartz		I, S	Parallax
	Obsidian or		Agate with mineral inclusions		A 14/1 : 1:00
Oct-25	Rhyolite	Any fossil	(sagenite, dendrites, etc)	G, R	Any Whitecliffs
Nov-25	Pounamu	Fossil wood	Garnet	E, A, T	Floater
Feb-26	Any polished geode	Something from Otago	Olivine	O, L, B	Any Mt Somers
Mar-26	Any sphere	Something marine	Any lead mineral	Q, F	Tubes/plumes
Apr-26	Flint/Chert	Trilobite	Tourmaline	W, U	Any Otago
May-26	Carnelian	Something from Canterbury	Any form of calcite	Y, P, V	Any uncut nodule

Monthly Competition for September:

Lapidary: Two halves of anything

Fossil: Any fossil tooth Mineral: Any form of quartz

Alphabet Cup: I, S

Agate Arena: An agate with parallax effect (Shadow banding)

Bring and Brag: Be prepared to talk about it.

Auction Action

For those who couldn't make it, we recently held the third and final major auction of the late Craig McGregor's collection. I wasn't keeping count but the turnout was fantastic with what seemed like over 30 attendees filling the room! This was a huge effort to organise, and I'd like to thank everyone who came along to support Craig's family and the club.

There were some lively bidding wars, great deals, and plenty of fun. If you missed out, don't worry as Craig's son, Alistair, will have a stall at the club show in September, offering another chance to pick up some quality material.

Many thanks to those who helped organise and coordinate the event, especially John Baker for being the main point of contact between Craig's family and the club, and John Taylor for running the auction so seamlessly.

Keep your eyes on the newsletter for more auction action in future and we hope to see you at one of the next events!

- Kamen Engel, Secretary.





What are meteorites?

Meteorites are pieces of space debris which, having survived a fiery journey through the atmosphere, land on the earth's surface. They provide much of our knowledge of the origin and evolution of the solar system. Apart from a few kilograms of rock brought back from the moon by astronauts, meteorites are the only material from beyond the earth available for study.

Meteoroid, meteor or meteorite?

A meteoroid is a piece of rock or space debris in our solar system. If it enters the earth's atmosphere, it becomes visible as a meteor – a bright, moving trail of light, commonly called a 'shooting star'.

If the object survives its blazing plunge through the atmosphere and lands on the surface of the earth, it is called a meteorite.

What are meteorites made of?

Meteorites are divided into two groups: stony meteorites (stones) and iron meteorites (irons).

Stony meteorites are the most common, and are composed of silicate minerals, similar to volcanic rocks found on earth. Many contain tiny spheres (chondrules), which have been formed by the rapid cooling and solidification of molten droplets. These distinctive stony meteorites are known as chondrites (pronounced 'kon-drites'). Their chemical composition closely matches that of the sun.

Iron meteorites are heavy and look different from normal rocks, so they tend to be picked out as unusual. They resist weathering, although they are often rusty on the outside. Most iron meteorites contain 7–15% nickel. Fun fact, the easiest way to debunk most meteorite fakes is to look at the nickel content. Very few rocks on earth contain such high percentages of nickel. The curious and distinctive markings revealed by cutting and etching are intergrowths of metal crystals called Widmanstatten structures.

Falls and finds

Meteorites that have been observed landing are classified as falls; those which have been discovered later, on or beneath the earth's surface, are called finds. Thousands of meteorites land on earth every year, but only five or six are ever found. Meteorites are named after the place where they are found.

Name	Date Found	Region	Finder	Classification	Туре
Wairarapa	1863	Wairarapa	W.H. Donald	Stony (chondrite)	Find
Makarewa	1879	Southland	A. & I. Marshall	Stony (chondrite)	Find
Mokoia	1908	Wanganui	W. Syme	Stony (carbonaceous chondrite)	Fall
Morven	1925	Canterbury	W. Stewart	Stony (chondrite)	Find
View Hill	1953	Canterbury	C.G. Anderson	Iron	Find
Waingaromia	1970	Gisborne	H. Reeves	Iron	Find
Dunganville	1976	West Coast	T. Downey	Iron	Find
Kimbolton	1976	Manawatu	R.H. de Rose	Stony (chondrite)	Find
Ellerslie	2004	Auckland	B. & P. Archer	Stony (chondrite)	Fall

Meteorite falls and finds in New Zealand

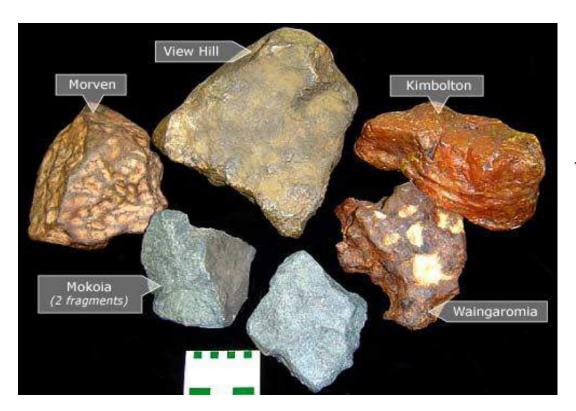
This table lists the two meteorites that have been seen to fall, and those that have been found, in New Zealand. Full information about falls and finds around the world, including technical details on each meteorite, is given in the *Catalogue of meteorites*, published by Cambridge University Press.

View Hill meteorite

The View Hill meteorite was found in North Canterbury in 1953. Its surface has been etched with weak acid to show the crosshatch pattern of Widmanstatten structures, a typical feature of iron meteorites. The lines have been formed by the intergrowth of the nickel-iron minerals kamacite and taenite, as the original rock slowly cooled. Each green bar on the scale represents 1 centimetre.



The meteorite found at View Hill in 1953



New Zealand Meteorites

These are the casts of meteorites found in New Zealand, showing how they vary in colour and size. Each green bar along the top of the scale represents 1 centimetre.

Recorded meteorites in New Zealand

This map shows the location of meteorites that have landed in New Zealand. Only those which have been checked and authenticated by the Meteoritical Society, in the USA, are included.





Birdwood Ave, Beckenham, Christchurch.

Also: Akaroa and Queenstown



Attention CMLC members: If you would like contribute to the CMLC newsletter, you're more than welcome to send in a report and photos of your recent rock-hounding trip. If you are interested, please send an email with the provided content to tyler @hotmail.co.nz for a feature in future editions

For interest: Life time club member Chris Wright recommends people to watch 'Outback Crystal Hunters', which is on channel 6 Duke, Thursday 9:55 to 10.50pm

COMING EVENTS:

New Zealand

National Gem, Rock & Mineral show 2025; 25th – 27th October; Plymouth International Hotel; 220 Courtney St; Central New Plymouth

CMLC Show 2025; 20 – 21st September; 110 Waltham Road, Christchurch

