

THE CMLC NEWS

The Canterbury Mineral & Lapidary Club Inc.
Newsletter for July 2023



President -- Malcolm Luxton Phone 033088874
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Christchurch 8053 **Email:** cmlclub@chch.planet.org.nz
Website: www.cmlclub.org.nz
Facebook: Canterbury Mineral and Lapidary Club
Meeting Venue & Clubrooms: 110 Waltham Road, Waltham, Christchurch 7:30 pm on the second Thursday of the month [Feb. to Nov.]

General Meeting (7.30pm): July 13

Committee Meeting (7pm): July 20

Micro Mineral Meeting: Tuesday evenings (7 pm)

Workshops: Every Tuesday evenings, 6.30 p.m.

Geobusters: Sunday afternoons every second month.

www.geobusters.co.nz; Facebook.

The July Meeting: There will be a talk by Malcolm and Mark Luxton on the ins, outs and logistics of getting to Agate Creek, Queensland.

Kitchen Duty for the July Meeting: Angela Candish, Quenby Carter, John Caygill, Heather Muir, David & Judith Cleghorn, Daniel Cordes, Joanna Nituma, Denise Devine, Alexandrah Du Barry, John Dugmore, Sharlene Lee. Lay out the tea, milk, coffee and cups. Do dishes and tidy up the kitchen after the meeting.

Field Trips: The August field trip is usually a social visit to a club member's workshop. Further details at the August meeting.

The committee have discussed several problems that have occurred on field trips. Please note that dogs, smoking and alcohol are not permitted on trips. There have also been issues of club members turning up for trips

who have not booked in. As some of the areas we go into have limited capacity for collecting, and contact details are needed if the trip is cancelled, only those club members who have booked in will be accepted. There has also been issues of club members who have booked, but not turned up. This is unacceptable as it deprives others the opportunity to be on the trip.

New Members: Pleaser make these new members welcome. Ryan Rolston, She Wan family, Margaret Winter and Graeme Knowles.

Club Annual Show: 30 September/1 October. Only 3 more club meetings until the show. Malcolm and Val will soon be asking for volunteers for the various jobs that need doing.

Sales table space is now fully booked.

We will be operating a fossicking area, so please start storing all those unwanted rocks and offcuts. If you wish, we can store this material in our workshop.

So far there have been only 2 donations of raffles for the show Val Lear is looking for donations from kind club members. Please could you help by donating good quality material that would interest the public.

The New Zealand National Gem and Mineral Show

This year it will be in Blenheim, at Marlborough Boys High School on 6 to 8 October. Have you entered the competitions yet? The schedule and entry form are available at www.nanzrmmc.org.nz Final day for submitting your entry form is 31 August.

Your new (some not so new) Committee:

President: Malcolm Luxton, Treasurer: Lynda Alexander, Secretary (Tessa Mitchel-Anyon, Bulletin Editor: Craig McGregor, Immediate Past President: Scott Hardwick, Committee Members: Miranda Bryant, Val Lear, John Baker, John Taylor, Chris Wright, Christopher Thian, Robin Hall, Kayman Engel, Seconded Members: Julina Triss (I/C Field trips), Morne Wium (I/C Geobusters).

A big thank you to all of the committee who agreed to stand for the following year.

Monthly Competitions: Following some discussion, here are the rules for entering into the club monthly competitions.

1 All lapidary entries must be your own work only.

2 You may enter only one specimen for each category, (except for bring

and brag) where you may have a collection of things to talk about. The specimen must be from your collection and not borrowed from someone else.

3 To enter the novice section you need to have been a member of the club for two years or less.

4 Entries for the Alphabet Section must come from the country, or a state starting with the letter listed for that month's competition.

5 Entries need to be labelled with your first and last name on the reverse side of a label (hidden from the judge's view. The front side needs to have the name of the specimen and the category it is entered for.

E.g. Front side

Copper : Nelson Region

Alphabet NDR

On the reverse:

Name : John Smith.

Many thanks to Wayne Eddy for agreeing to organise the monthly competitions for the following year.

Monthly CMLC Competition 2023 to 2024

July.....

Lapidary:..... Own polished lapidary work containing the colour pink

Fossil: NZ Fossil shell

Mineral: NZ mineral under 10cm in size.

Alphabet Cup:..... CVQ

Novice Section..... Any rock you wish to enter

Bring and Brag.....

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August.....

Lapidary:..... Own Polished lapidary work containing the colour turquoise

Fossil..... Fossil crab (NZ)

Mineral: Mineral rutile in quartz

Alphabet Cup:..... BMZ

Novice Section..... Any rock you wish to enter

Bring and Brag.....

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September

Lapidary:..... Own Polished lapidary work containing the colours white and black

Fossil..... Fossil wood (NZ)

Mineral:.....Mineral from Kakanui- Otago
 Alphabet Cup:DTJ
 Novice Section.....Any rock you wish to enter
 Bring and Brag.....

 October.....
 Lapidary: Own Polished lapidary work containing the
 colours red and yellow
 Fossil..... Fossil Leaves (NZ)
 Mineral:.....Mineral from Canterbury
 Alphabet Cup:HIW
 Novice Section.....Any rock you wish to enter
 Bring and Brag.....

 November.....
 Lapidary: Own Polished lapidary work containing the
 colour green
 Fossil..... Fossil coral
 Mineral:.....Mineral from Australia
 Alphabet Cup:YEG
 Novice Section.....Any rock you wish to enter
 Bring and Brag.....

 February.....
 Lapidary: Own Polished lapidary work containing the
 colour blue
 Fossil..... Canterbury Fossil
 Mineral:.....Mineral from the North Island
 Alphabet Cup:XLS
 Novice Section.....Any rock you wish to enter
 Bring and Brag.....

 March.....
 Lapidary: Own Polished lapidary work containing the
 colour brown
 Fossil.....North Island Fossil
 Mineral:.....Mineral gold in colour
 Alphabet Cup:RKN
 Novice Section.....Any rock you wish to enter
 Bring and Brag.....

- April.....
- Lapidary:..... Own Polished lapidary work containing the colour yellow
- Fossil..... Fossil fern
- Mineral: Mineral black in colour
- Alphabet Cup:..... UPA
- Novice Section..... Any rock you wish to enter
- Bring and Brag.....
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- May.....
- Lapidary:..... Own Polished lapidary work containing the colour purple
- Fossil..... A fossil from over seas
- Mineral: A micro mineral from NZ
- Alphabet Cup:..... FO
- Novice Section..... Any rock you wish to enter
- Bring and Brag.....

The following article submitted by Chris Wright (Thank you, Chris).
 Otago University Magazine issue 55 page 39

Whale fossil heads to Smithsonian



The Department of Geology has signed a Deed of Gift with the National Museum of Natural History, Smithsonian Institution in Washington DC, for the delivery and display of the 34 million-year-old baleen whale fossil

Llanocetyus denticrenatus discovered by retired Professor Ewan Fordyce. The fossil was found on Seymour Island off the east coast of the Antarctic Peninsula during a US-funded expedition in 1987. The fossil whale is the second oldest baleen whale known and, as a major piece in the evolutionary jigsaw of early whales, was described by Fordyce and a former PhD student, Dr Felix Marx, in a published paper in 2018.

The original fossil piece of the jaw was discovered earlier by US researchers and is curated in the Smithsonian, so the transfer of the remainder of the whale from the Department of Geology to the Smithsonian will bring the pieces of the whale together.

Many thanks to David Macdonald for his donation and display of the echinoids collection in our new wall cases.

New insight on the origins and early evolution of echinoids, a group that includes the sea urchins, the sand dollars, and their relatives, has been published today in the journal eLife. (Science Daily March 2022)

The study suggests that modern echinoids emerged approximately 300 million years ago, survived the Permo-Triassic mass extinction event -- the most severe biodiversity crisis in Earth's history -- and rapidly diversified in its aftermath. These findings help address a gap in knowledge caused by the relative lack of fossil evidence for this early diversification. There are more than 1,000 living species of echinoids, including sea urchins, heart urchins, sand dollars and sea biscuits, which live across different ocean environments ranging from shallow waters to abysses. Throughout history, the hard spine-covered skeletons of these creatures have left an impressive number of fossils. However, despite this remarkable fossil record, their emergence is documented by few fossil specimens with unclear affinities to living groups, making their early history uncertain.

"There are still debates among scientists about when the ancestors of echinoids emerged and what role the mass extinction event that occurred between the Permian and Triassic periods may have played in their evolution," says first author Nicolás Mongiardino Koch, who completed the work while he was at Yale University, New Haven, Connecticut, US, and is now a postdoctoral fellow at Scripps Institution of Oceanography at UC San Diego, US.

"We set out to help resolve these debates by combining genomic and paleontological data to disentangle their evolutionary relationships. The extraordinary fossil record of echinoids and the ease with which these fossils can be incorporated in phylogenetic analyses make them an ideal system to explore their early evolution using this approach."


CANTERBURY MINERAL
AND
LAPIDARY CLUB PRESENTS

2023

GEM SHOW

SATURDAY 30TH SEPTEMBER
9AM TILL 5PM

SUNDAY 1ST OCTOBER
9AM TILL 4PM



110 WALTHAM RD
NEXT TO WALTHAM SCHOOL

ADULTS \$4 CHILDREN \$2 FAMILIES \$10

DISPLAYS SALES KIDS ACTIVITIES FOSSICKING TRAILER

WWW.CMLCLUB.ORG.NZ

HETTIE'S

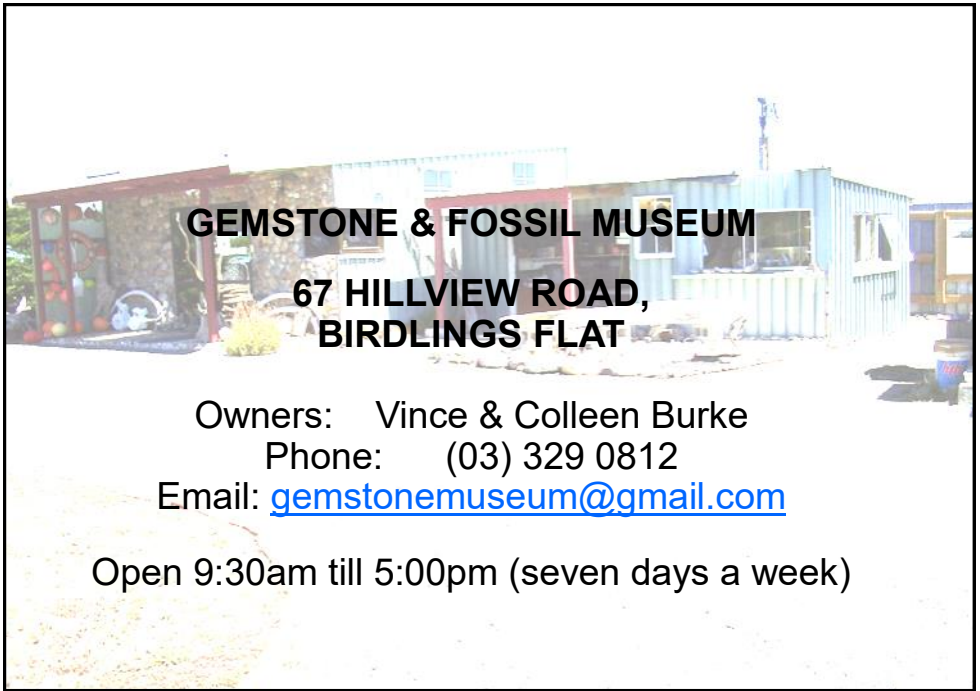
ROCK & CRYSTAL SHOP

Birdwood Ave, Beckenham, Christchurch.

Also: Akaroa and Queenstown

Also: Akaroa and Queenstown





GEMSTONE & FOSSIL MUSEUM

**67 HILLVIEW ROAD,
BIRDLINGS FLAT**

Owners: Vince & Colleen Burke

Phone: (03) 329 0812

Email: gemstonemuseum@gmail.com

Open 9:30am till 5:00pm (seven days a week)

Sender CMLC, 1 Arlington Street, Burnside, Christchurch 8053.

COMING EVENTS:

North Otago Gem and Craft Show: Scottish Hall, Oamaru, 1,2 July (date to be confirmed)

Canterbury Mineral and Lapidary Club Gem Show: 110 Waltham Rd, 30 September/1 October

National Show 2023 Marlborough Rock & Mineral Club: Marlborough Boys High School. 6 to 8 October.

Micro Minerals Symposium. 13 to 16 October at Teapot Valley near Brightwater.

You could make yourself a holiday trip in the Marlborough/Nelson area with these 2 events.

National Show 2024: Mineral Club of Hutt Valley Wellington

Australia

Gemboree 2024: South Australia: Willunga.