

THE CMLC NEWS

The Canterbury Mineral & Lapidary Club Inc. Newsletter for March 2019



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Club Mailing Address: 14 Reynolds Ave Bishopdale,
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Website: www.cmlclub.org.nz
Meeting Venue & Clubrooms: 110 Waltham Road,
Waltham, Christchurch 7:30 pm on the second Thursday
of the month [Feb. to Nov.]

General Meeting: 14 March, 11 April, 9 May (at 7.30 p.m.)
Committee Meeting: 21 March, 18 April, 16 May (at 7 p.m.)
Micro Mineral Meeting: 7 March, 4 April, 2 May

Welcome back to the new year. I hope everyone has had an enjoyable break.. Please remember the \$2 entry fee for our General Meetings.

The February Meeting: At going to print, an activity or speaker for the meeting had yet to be arranged.

Supper Duty: Scott Hardwick, Gerald Birdling, Susan Baldwin, David and Judith Cleghorn, Chris Thian.

Auction: Some material from the Phil Wright collection will be auctioned, and some other bits and pieces.

New Members: Please make these new members welcome: Louisa Jessop, Peter Gibbs and Jacqueline Wharepapa.

Field Trip: It is hoped to have a trip to the Whitecliffs dig organised, but this will be dependent upon a permit from the forestry. More details at the General Meeting.

Working Bee: This was held on Saturday 23 February. It is really appreciated, those who turned up for the bee. Work done included resetting the loose paving stones, Sweeping a locking material between the pavers, tidying the workshop, topping and pruning the trees on the from boundary, weeding in the car park and drives, scrub cutting and tidying the outside south side of the building, cleaning and tidying the toilets and kitchen, and inspection of the hall chairs.
Thank you all who helped.

Workshops: Machinery still needs working on, so look for an announcement towards the end of March as to when workshops will be starting up again.

Committee Meetings: Just a reminder that club Committee Meetings are now on the Thursday following the General Meeting at 7 p.m.

Annual Subscriptions: These are now due. You will find a file attached to your email, or an insert in the mailed-out newsletter if you receive it that way. Please note the early payment discount.

Here is a photo of the chilli bin that was left at the Rock Club Christmas BBQ in December. It has been taken to the clubrooms and it is safely stored there until we find the owner.



Another Working Bee, Saturday 16 March at 9.00 at the clubrooms.: Help is needed, please. The Otago Club is borrowing our show cases for their National Gem Show in Dunedin, which is in October. 4 of their members will come up to Christchurch on Friday 15 March, and sleep over in the clubrooms. They will have 2 trailers to take the crates of cases back to Dunedin. A lot of help is needed on the Saturday morning to sort out and load the crates. If you can possibly help, please come.

March Monthly Competition

Lapidary: Polished agate from Woolshed Creek
 Fossil Any fossil from Marlborough
 Mineral: Serpentine
 Alphabet Cup: ST
 Recent Find: From the High Peak field trip
 Bring and Brag

February Monthly Competition Results

		1st	2nd	3rd
Lapidary:	Polished agate from Mt Barrosa	Robin Hall	M Luxton	Equal John Taylor Craig Mc Gregor
Fossil	Any West Coast fossil.	David Macdonald	Robin Hall	C.Lintott
Mineral:	Any green coloured mineral	David Macdonald	M Luxton	John Taylor
Alphabet Cup:	pqr	M Luxton	Craig Mc Greggor	Robin Hall
Latest Find from Motanau		Robin Hall	No entry	No entry

LIBRARY TIME! By Chris Wright.

This is a book I have just got from the Christchurch Public Library [Call #: 565.3 LEV]

There are two copies currently available at the CPL & wondered if some members would like to borrow it from the CPL & look at it with the view of the CMLC Library obtaining a copy

Let me know how you feel about this book or other items [Books, DVDs, Blurays & Audio Cds] being on the CMLC library shelves & I can see about obtaining them for you.

The Trilobite Book A Visual Journey

Distant relatives of modern lobsters, horseshoe crabs, and spiders, trilobites swam the planet's prehistoric seas for 300 million years, from the Lower Cambrian to the end of the Permian eras and they did so very capably. This is a revealing guide to these surreal arthropods of ancient Earth.

Authors: Levi-Setti, Riccardo

Title : The trilobite book: a visual journey

Publisher: Chicago :, University of Chicago Press,, 2014.

Characteristics: x, 273 pages :,colour illustrations ;,27 cm.

ISBN: 9780226124414

The periodic table, an icon of science, is now 150 years old

The periodic table is an icon of science. Its rows and columns provide a tidy way of showcasing the elements that make up the universe.

It seems obvious today, but it wasn't to early chemists. That changed when Dmitri Mendeleev pondered ways to group the elements.

The Russian chemist spotted an elegant and powerful pattern: He recognised that certain elements exhibited similar traits, and that these traits varied regularly – or periodically – with increasing atomic weight.

So on February 17, 1869 (according to the Julian calendar used in Russia at that time), Mendeleev published a chart of the 60-odd elements known at the time, sorted by their weights and properties.

It is one of the greatest scientific contributions ever.

We're now celebrating the 150th anniversary of Mendeleev's periodic table.

The journal Science is marking the occasion with a special issue about the table. Contributor Michael Gordin, a science historian at Princeton, answered questions.

Q: Why has the periodic table endured for 150 years?

A: It's an amazing tool that compresses a huge amount of information into one format. It's one of the first things people learn about chemistry. It's in every textbook.

How did it work?

The table is organised by increasing atomic weight, but broken into rows. When Mendeleev did that, he saw that certain elements have similar properties – they form acids that have similar strength, they form crystals that look the same.

So, in addition to increasing atomic weight, he saw that there is some other pattern that repeats.

What sets his table apart from other tables of the 1860s?

Mendeleev did all the elements known at the time. Previous people hadn't done all of them because they weren't sure about the atomic weights.

Mendeleev guessed their weights.

Secondly, he predicted the existence of new elements. When those elements were discovered, his table stood out.

How did Mendeleev predict undiscovered elements?

When Mendeleev started lining up elements with similar properties into columns, he noticed that, in some places, an element seemed to be in the wrong place and should be one column over. When he moved it over, everything worked out. But then there's a gap. And he's like, "OK, how do I explain the gap?"

He said, "Well, its atomic weight should be about this, because I can average from the elements around it and guess it."

Within 15 years, three of the elements he predicted were discovered. They had the properties he guessed.

What kind of guy was Mendeleev?

He was born in Siberia. He taught at the University of St. Petersburg – but travelled widely.

He was boisterous, funny, quick to lose his temper, but also charismatic and engaging. He was politically active. He was in the papers a lot.

After he finished the table, he kept all of his mail because he knew he would be famous.

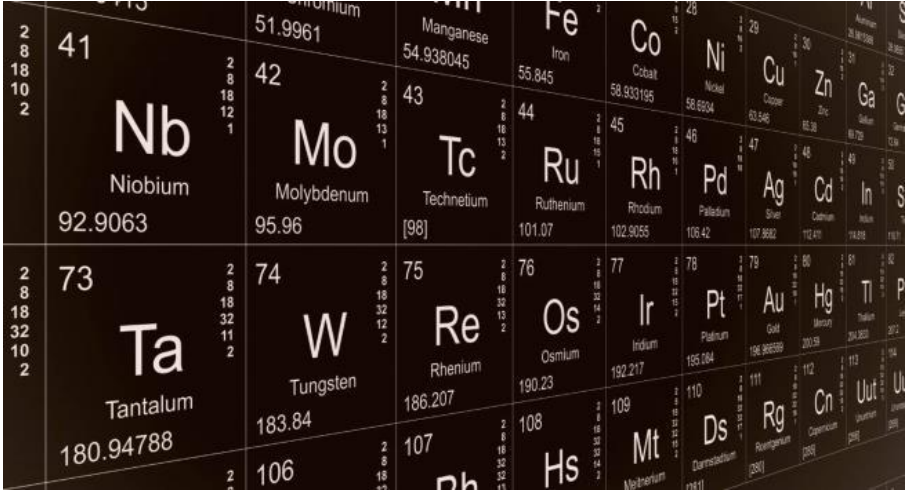
Scientists didn't understand atoms until after Mendeleev died. How did that change the table?

We now organise the table based on quantum theory – on the positions the electrons in the outer shell of an atom have. That explains their chemical

An Auckland scientist may have uncovered a cutting-edge new way to teach science to Gen Z: emojis.

Dr Nicola Gaston delighted science lovers when she tweeted emojis of french fries, iPhones and rainbows in a 2017-version of the periodic table.

Gaston, an associate professor in physics at the University of Auckland, made the table to pass time while on a bus on holiday in Chicago.



HETTIE'S ROCK & CRYSTAL SHOP

Birdwood Ave, Beckenham, Christchurch.

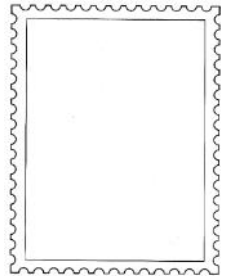
Also: Akaroa and Queenstown

Open 7 days 10 a.m. to 5 p.m.





Sender CMLC 14 Reynolds Ave Bishopdale, Christchurch 8053



«Field1»
«Field2»
«Field3»
«Field4»
«Field5»