



# **TAURANGA GEM & MINERAL CLUB INC**

**P.O. BOX 841 TAURANGA 3144**

# GEMZONE

April 2021

## **VILLAGE GEMS**

**TAURANGA GEM & MINERAL CLUB Inc.  
HISTORIC VILLAGE  
17TH AVE TAURANGA**

**POLISHED STONES - CLOCKS – GREENSTONE PENDANTS - MINERALS  
NOVELTIES - KAURI GUM - JEWELLERY - POLISHED FACES  
MUSEUM & FLUORESCENT DISPLAY**

# Rotorua Lapidary



**WE HAVE BEEN SERVING NEW ZEALAND SINCE 1981**

*STOCKISTS OF:*

- Tumbling Machines for Stone, Glass & Shell
- Rock Cutting, Polishing & Carving Machines
- Grinding & Polishing Media for Stone, Glass, Shell, Bone and Metal
- Crystals, Minerals & Rough Rock
- Polished Stones
- Fossils
- Gemstone Beads & Metal Clasps & Fittings
- Greenstone & Jade Carvings

*SERVICES:*

- Stone Cutting, Polishing & Drilling
- Jewellery Repairs & Bead Threading
- Stone Bead Necklace & Earring Making

**HOURS: Monday – Friday 9.30am to 5pm  
Saturday 10am – 2pm**

Rotorua Lapidary Rock & Mineral Supplies Ltd  
1120 Eruera Street, Rotorua 3010  
Postal Address: P O Box 569, Rotorua 3040

Ph: 07 348 8996 Fax 07 348 8621

[rotorualapidary@xtra.co.nz](mailto:rotorualapidary@xtra.co.nz)  
[www.rotorualapidary.co.nz](http://www.rotorualapidary.co.nz)

Colin & Bev Simmons

# March Club Events

## Workshop

Every Tuesday night from 6pm to 7-30pm.

Use of the workshop during shop hours:

\$2 per hour

Please pay at the counter

## Club Night

Monday 12 April

Juniors from 6 pm – 7.30pm

Oamaru stone carving and rock ID competition

Seniors at 7.30pm:

Talk about cabinets and show preparation.

Mock competition to practice for the show.

Categories – all NZ stuff, Unworked stone, polished face etc.

Interest table: Field trip finds from last trip

## Committee

Wednesday 21 April at 7.30 pm.

Meet at the clubrooms.

## Field Trip

Sunday 25 April Fieldtrip Maratoto

Meet at Paeroa near McDonald's by 9.30am. An hour plus walk is involved with this trip. We will be going to old mine tailings. Will need something to dig and scratch around in tailings with. Newspaper to wrap finds up in.

NOTE: Contact Graham if you need to carpool. Do check your email in case of bad weather.

Graham Hill: 027 2566399 / 07 552 4496



Quartz Crystals

**Field Trip cancellations:** TGMC takes the safety of its members seriously and has the right to cancel field trips in the event of severe weather warnings or other factors that prevent any trip from taking place. News about changes, postponements or cancellations to a proposed field trip will be advised via email and posted on the Facebook page as soon as possible.

## Collection Viewing Night

Wednesday 28 April at 7.30pm

**NO Viewing This Month Due To Gemshow On The Weekend**

Please bring a plate to share for supper and any rocks or fossils for identification or discussion.

## Club notices

**Volunteers For The Gemshow**

Remember to fill in the roster where you are able to help out.

**Subscriptions are Overdue**

**Get Your Entries Ready** for the Gemshow. Details later in this newsletter

TGMC Committee Members 2020 and other Club Officers			New Zealand Events	
<b>President Shared</b>	Graeme Dewhurst Carla van den Hout	576 7874 552 5175	<p><b>30 April – 2 May:</b> Tauranga Gem &amp; Mineral Club Show, Tauranga Racecourse, 1383 Cameron Road, Greerton.</p> <p><b>15-16 May:</b> Northshore Rockhounds Club Mini Show, Milford Senior Citizens Hall, Kitchener Road, Milford</p> <p><b>National Show:</b> 15-17 October, Mineral Club of Hutt Valley &amp; Wellington, Lower Hutt</p> <p><b>2022</b> – National Show. To be hosted by the Canterbury Mineral &amp; Lapidary Club.</p> <p style="text-align: center;"><b>Australian events</b></p> <p>2-5 April, 2021, Gemboree, Tasmania</p> <p>15 -19 April 2022 Gemboree Mudgee, NSW</p>	
<b>Vice President Shared</b>	Carla van den Hout Graeme Dewhurst	552 5175 576 7874		
<b>Treasurer</b>	Johanna Raynor	072828126		
<b>Secretary Club Email</b>	Steve Raynor sec.tgmc@hotmail.com	282 8126		
<b>Membership</b>				
<b>Publicity</b>	Bryce Cooper	0276950606		
<b>Shop</b>	Carla van den Hout Olga Nicholson	552 5175 575 2070		
<b>Shop supplies</b>	Bryce Cooper	0276950606		
<b>Field trips</b>	Graham Hill	552 4496		
<b>Field trip assist.</b>	Charlie Harris	021 0409332		
<b>Workshop</b>	Bryce Cooper	0276950606		
	Raymond Schroder	576 3027		
<b>Museum display</b>	Margaret Parker	576 2660		
<b>Facebook admin</b>	Ian Mason Kristy Pawson	543 4951		
<b>Newsletter advertising</b>	Ian Mason	543 4951		
<b>Patron</b>	Roger Eade	576 0117		
<b>Newsletter</b>	Ian Mason / Gordon Sherwood	543 4951 / 0226323534		
<b>Library/Museum</b>	Marcel Authier	572 3034		
	John Clark	022 0206812		
<b>Maintenance</b>	Bryce Cooper	0276950606		
<b>Microscopes</b>				
<b>Silent Auction</b>	Ian Mason	543 4951		

**Tauranga Gem & Mineral Show Apr 30<sup>th</sup> - May 2<sup>nd</sup> 2021**

## GEMSHOW AUCTION

**FINAL CALL FOR ALL AUCTION ENTRIES**

**I need the details of your auction entries by Monday 12<sup>th</sup> April**

**Minimum retail value per item \$50, Your reserve price can be lower**

**Minerals, Crystals, Fossils, lapidary Materials, Carvings Etc**

**8 entries per person / 10% sales commission**

**Contact Greg Lilly 07 5740905 or email [greglilly@xtra.co.nz](mailto:greglilly@xtra.co.nz)**

2021 Tauranga Gem & Mineral Show

# Auction

**Join us for a fun evening**

**Everyone Welcome**

Food and drinks will be available

**Highlights Include**

Huge Golden Cross Calcite

Petrified Wood from Table Mountain

Indian Zeolites

Minerals from New Zealand & Overseas

Some lots at NO reserve

**Auction starts Saturday 1<sup>st</sup> May from  
5pm**

Register to bid at the show entry prior to the auction



## Tauranga Gem and Mineral Club

Show 2018  
30<sup>th</sup> April, 1<sup>st</sup>, 2<sup>nd</sup> May 2021  
(Set up 29<sup>th</sup> April, 1pm onwards)

### Newsletter

Covid 19 restrictions: The show will only go ahead under L1. A “final” decision will be made on April 20<sup>th</sup>. However, the alert code could still change between then and show day. Any change in alert level will mean a change in show planning.

Set up day: 29<sup>th</sup> April, 1pm onwards for traders and competitions.

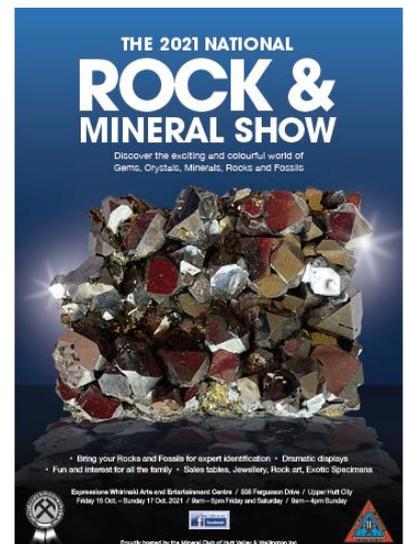
Our auction will be on Saturday evening at 5.30pm. Food and drink will be available for purchase from our caterers. Notification of items for the auction must be to Greg Lilly by April 12<sup>th</sup>. The items themselves can be brought along before 4pm on set-up day.

The show will open to the public from 9am-5pm on Friday and Saturday, 9am-4pm on Sunday.

Unfortunately, there will be no official field trips during the show.

We will have our usual vast range of activities to occupy kids and adults alike; rock naming contest, ice block mining, touch stones and more. We will also have a working machinery area. The rock trailer will be there, so if you have unwanted rock you'd like to get rid of, bring it along.

As most of you know, there is a lot of work involved in setting up and breaking down a show as well as keeping it running over the weekend. Any help would be gratefully received. If you'd like to help, Laverne will be putting together a roster. Please contact her at [laverne.mortlock@hotmail.com](mailto:laverne.mortlock@hotmail.com).



## What is Jasper?

Jasper is an opaque variety of chalcedony. Opaque means that neither light nor images pass through.

Microcrystalline quartz in its pure form is semi-transparent. When a small amount of impurities or foreign materials are added, the colour of the microcrystalline quartz changes and its ability to transmit light decreases. Jasper contains enough impurities and foreign material to render it opaque. So, the real difference between jasper and agate is the amount of impurities and foreign material contained with a specimen.

## How Does Jasper Form?

While agate is typically a material that forms in the cavities of an igneous rock or limestone, jasper often forms when fine particulate materials are cemented by silica. This often occurs in soft sediments when silica precipitates and cements them into a solid mass. These included particles are what give jasper its colour and opacity. A sedimentary material known as chert forms in extensive bedded deposits. It is also an opaque variety of chalcedony that can be called a "jasper."

Jaspers are also known to form when volcanic ash or fine pyroclastics are cemented into a solid material from the precipitation of silica from solution. The cementation process is sometimes so aggressive that the sediment, ash or volcanic particles are dissolved or recrystallized into microcrystalline quartz

## What is Chalcedony?

Chalcedony is a generic name given to materials that are composed of microcrystalline quartz. Agate and jasper are both varieties of chalcedony.

What is microcrystalline quartz?

"Quartz" is the name of a mineral composed of silicon and oxygen ( $\text{SiO}_2$ ). "Microcrystalline" means that the quartz is in the form of crystals that are so small that a microscope must be used to visualize them individually. Other types of quartz have much larger crystals - often many inches or feet across.

Chalcedony is a very hard and very durable material. That's why ancient people sought out chalcedony for making their tools and weapons (it was often called "flint"). Chalcedony has a hardness of approximately 7 on the Mohs hardness scale. Chalcedony occurs in a wide range of colours. It is commonly gray, white, brown, red, yellow, orange and black, but it can occur in any colour. It can also be banded or have plume, dendritic, mottled, mossy or other colourful structures within.

<https://rocktumbler.com/blog/what-is-agate-jasper-chalcedony/>





## **Gemshow Competition Categories**

**Get Your Entries Ready - All NZ Sourced**

**Mineral,  
Rough Rock,  
Carving,  
Polished Article,  
Fossil.**

You may have more than 1 entry per category/per person.  
There will be a senior and a junior section with the same categories in each

### **How To Become A Rockhound**

First, you must have a basic curiosity.  
Second, buy yourself a sack of marbles.

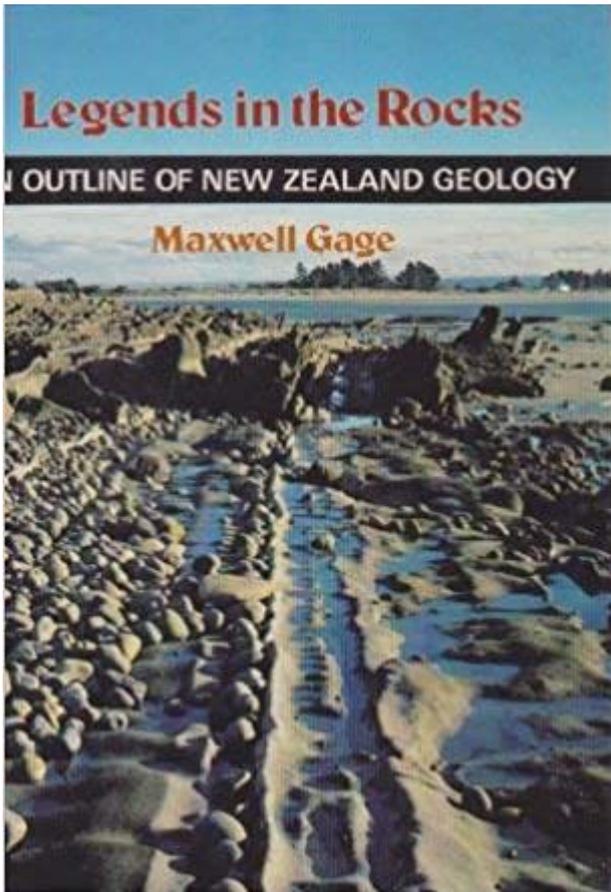
Then, everytime you pick up a rock,  
drop a marble.

When you have lost all your marbles ...  
you are a ROCKHOUND.

## BOOK REVIEW

Book Reviews for the newsletter can be emailed to Ian Mason

[imn.mason@hotmail.com](mailto:imn.mason@hotmail.com)



**Title; Legends in the Rocks**

**An outline of New Zealand Geology**

**Author; Maxwell Gage**

Reviewed By John Clark

This book is a comprehensive guide to the geology of New Zealand.

Legends in the Rocks is written with the interested layman in mind but it will also prove invaluable to professional earth scientists and other serious students of the subject.

It has been many years since a full-scale account of the geology of New Zealand last appeared. In the interval, through the activities of government-employed geologists and geophysicists, petroleum and mining company staffs, university research workers and a

sizeable body of

dedicated amateurs, there has been a huge increase in knowledge of the subject.

Legends in the Rocks makes this knowledge available to a wide range of readers.

An introductory chapter presents essential concepts and provides a working terminology for the beginner. Subsequent chapters deal with the shape of New Zealand, past and present; the geological history of these islands; the modelling of the landscape; the impact of volcanoes and glaciers; New Zealand's place in the structural plan of the south-west Pacific; earthquakes; and the role of geology in the economic life and development of this country.

Legends in the Rocks is illustrated with a major collection of diagrams and photographs. The Appendices provide a glossary of rock and mineral terms, illustrations of the more important fossil groups occurring in New Zealand rocks, a brief summary of the geology of the Chathams and other outlying islands, and a guide to the main sources of published geological information.

Cheers John Clark Tauranga Gem & Mineral Club

## WANTED TO BUY

**Wanted to buy:** I am looking to buy any lapidary equipment. I am most hoping to find any slab / trim saw 8" or 10" or larger. Any equipment for cabbing & grinding. Contact: [kathy.gott@gmail.com](mailto:kathy.gott@gmail.com)

**Wanted to buy:** Collections of Minerals, Crystals and polished faces. Large or small, part or all. Contact Greg 575 3851.

**Wanted to buy:** Bob Vear is looking for NZ Fossils Ammonites and Trilobites or any interesting fossils. Location identified preferably. Contact Bob (07) 543 0660.

**Wanted:** Please drop off any surplus egg cartons at the shop for Ian Mason.

**Wanted to buy:** Gold, silver, any old or unwanted jewellery made of gold or silver for scrap. Top scrap prices paid. Contact Graeme on 07 577 1979 or 027 4496 960; email [carver.petersen@xtra.co.nz](mailto:carver.petersen@xtra.co.nz)

### THE THAMES SCHOOL of MINES MINERAL MUSEUM

101 Cochrane Street Thames  
One of Australasia's finest mineralogical collections started in  
1870 on The Thames Goldfield



Open Wed – Sun 11am - 3pm Adults \$10.  
Unaccompanied children \$5  
Extended opening over summer. Local heritage & group  
concessions.  
Group tours by arrangement,  
Phone 07 08686227  
Email [tsm@historic.org.nz](mailto:tsm@historic.org.nz)

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TAURANGA	cnr elizabeth & glasgow sts (OPEN 7 DAYS)
MOUNT	37 hewletts road. (beside the flyover)
GREERTON	1231 cameron rd (next to super liquor)
FRASER COVE	corner of fraser & brook streets
OTUMOETA	95 ngatai road (near the otumoetai golf club)

## Facebook Groups To Follow



[Tauranga Gem & Mineral Club](#)

[New Zealand lapidary, Rocks, Minerals, Fossils](#)

[NZ Rocks, Fossils, Crystals Buy Sell & Exchange \(Only NZ nothing imported\)](#)

[Coromandel Peninsula Rockhounds](#)