



**TAURANGA GEM & MINERAL CLUB INC**

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

**GEMZONE**

**July 2022**

**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

# July 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 11th July

**Please don't attend if you are unwell**

Masks are required to enter building

Juniors from 6 pm – 7.30pm

Oamaru stone carving

Seniors at 7.30pm

Training in the workshop

Robert will talk about tumbling

**Silent Auction** The silent auction is a collection of stones and minerals.

Finds for the interest table

## Committee - 3<sup>rd</sup> Wednesday of Month

20<sup>th</sup> July 2022 at 7.30 pm.

Meet at the clubrooms.

## Field Trip

31 July Sunday

Sulphur digging near Rotorua. All vehicles must be pre-registered, send driver license copy and registration number to Charlie by ??? for registration with forestry management. A vehicle with good ground clearance is needed, not necessarily 4WD

**NOTE:** Contact Graham if you need to carpool. Do check your email in case of bad weather. Graham Hill: 027 2566399 / 07 552 4496

Remember to bring your camera.

**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.



Stone Of The Month  
Fossils

## Collection Viewing Night Last Wed of Month

Wednesday 27<sup>th</sup> July 7.30pm

Johanna's place. 18 Diamond Head Hairini Tauranga  
<https://goo.gl/maps/1rkj8b8mevjELvqq7>

**Please Don't Attend If Unwell**

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

## Club notices

**Masks are required to enter building**

WANTED: Mechanically minded person to help Bryce in the workshop



TGMC Committee Members 2020 and other Club Officers		
President	Carla van den Hout	552 5175
Vice President	Graeme Dewhurst	576 7874
Treasurer	Johanna Raynor	072828126
Secretary Club Email	Steve Raynor <a href="mailto:sec.tgmc@hotmail.com">sec.tgmc@hotmail.com</a>	282 8126
Correspondence Secretary	Olga Nicholson	575 2070
Publicity	Bryce Cooper	0276950606
Shop	Olga Nicholson	575 2070
Shop supplies	Bryce Cooper	0276950606
Field trips	Graham Hill	552 4496
Field trip assist.	Charlie Harris	021 0409332
Workshop	Bryce Cooper	0276950606
Facebook admin	Ian Mason Kristy Phillips	021 235 5818 0210397340
Newsletter advertising	Ian Mason	021 235 5818
Patron		
Newsletter	Ian Mason / Gordon Sherwood	0212355818/ 0226323534
Library/Museum	John Clark	022 0206812
Maintenance	Bryce Cooper	0276950606
Microscopes		
Silent Auction	Ian Mason	021 235 5818

## New Zealand Events

### 2022 – National Show.

To be hosted by the Canterbury Mineral & Lapidary Club  
14<sup>th</sup> – 16<sup>th</sup> October.  
Riccarton Park  
Racecourse Rd  
Christchurch  
Set up for competitions and displays is  
Thursday 13<sup>th</sup> October from 1pm to 6pm

### TGMC Show 7-9 October-

At the Tauranga Racecourse,  
1383 Cameron Road, Greerton,  
Tauranga, New Zealand.

Friday 7<sup>th</sup> October 9am-5pm  
Saturday 8<sup>th</sup> October 9am - 5pm  
And Sunday 9<sup>th</sup> October 9am -4pm.  
AUCTION @ 5pm Saturday 8<sup>th</sup> October

### Australian events

## Health & Safety Matters

### Health & Safety for The Workshop

Please note that the club can no longer provide earmuffs and safety glasses for use in the workshop, due to hygiene regulations.

Therefore **we ask everyone who will use the workshop to bring their own safety glasses and earmuffs.** We also ask for everyone to put their name and phone number on the earmuffs and safety glasses.

However, the club will have ear plugs available at cost price.  
The earplugs can be purchased at the shop counter.

**TGMC Website:** <https://www.tgmclub.com/>

We have a new web master updating our web page.

"Please bring along on club night something you've created at the club or from field trip finds. These are to be photographed and placed on a new montage page on the website."



## Health and Safety WORK SHOP TRAINING

Some important issues need to be addressed regarding the use of the work shop. As health and safety is important the committee have decided to close the work shop except for Tuesday night and club nights.

This is a temporary arrangement So we can evaluate and upgrade the workshop machinery as well as implement a training program To ensure everybody knows how to keep themselves safe and look after the machinery,

Thank you for your patience  
Feel free to contact Bryce on 027 6950606  
if you have questions or ideas  
they are always welcome .



## Special Note For July Field Trip

Sulphur Fieldtrip July 31st.

## JULY FIELD TRIP IMPORTANT INFORMATION



To be able to come on this Fieldtrip every individual driver will need to personally apply for a permit for their car for access into the forestry. If you think your vehicle will not handle a forestry road you will need to leave vehicle outside gate arrange with a permitted driver for a lift to fossicking site.

We will meet at 9.45am at Kerosene Creek carpark which is found off Old Waitapu Road.

You will need to bring a strong digging tool to break the crust of the ground to obtain the Sulphur crystals.

Flat cardboard boxes to put specimens in.

Gloves and covered footwear. Hi vis jacket.

Some spare seats will be available on the day for people who haven't got a permit or vehicle is unsuitable for a forestry road.

### **Please remember to bring a Hi Vis**

Email me if you are interested [grahamsgardens@outlook.co.nz](mailto:grahamsgardens@outlook.co.nz) and I will forward a step-by-step instruction on how to apply for permit.

**Cut-off date is 21st July.**

A big thankyou to Charlie Harris for doing the ground work to make this trip possible.

## BOOK REVIEW

Book Reviews for the newsletter can be emailed to Ian Mason  
[imn.mason@hotmail.com](mailto:imn.mason@hotmail.com)

# The Kiwi Fossil Hunter's Handbook

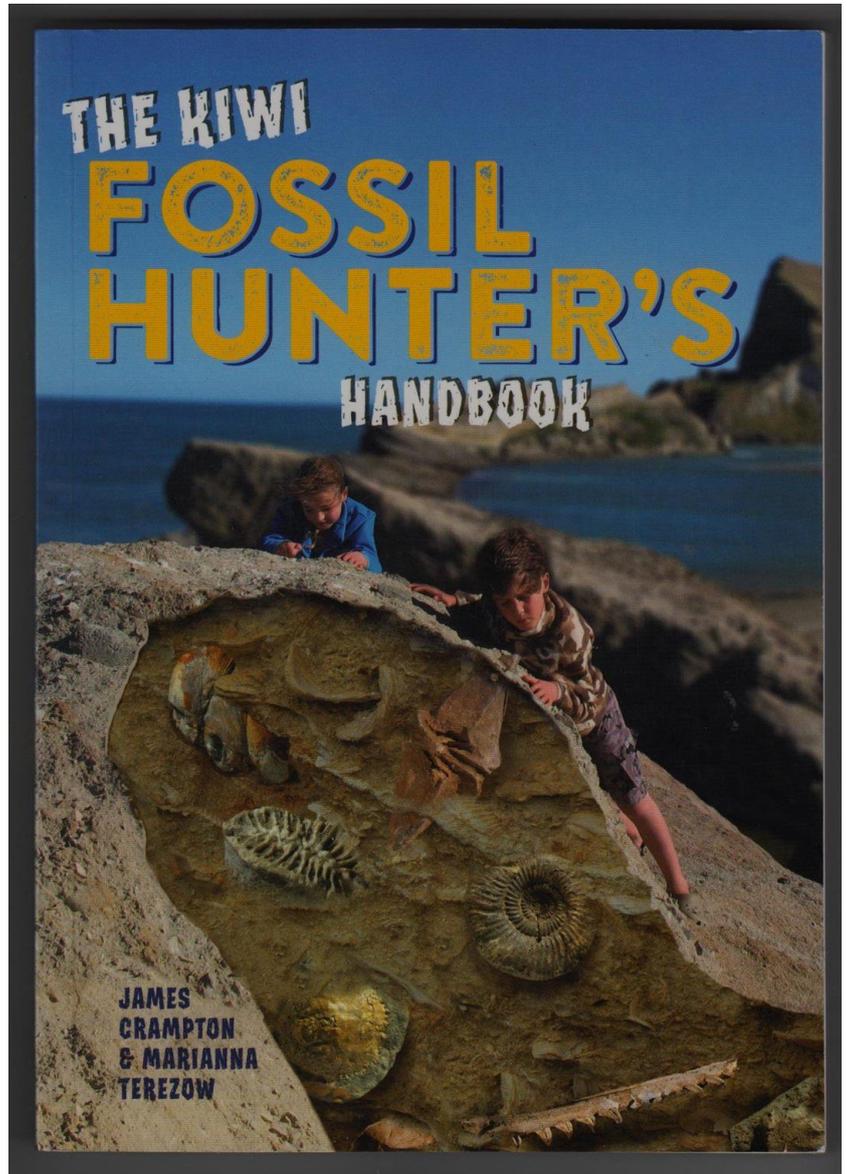
By James Crampton

Each time you discover a fossil, you are the first person ever to see this once living plant or animal. For millions of years, it was hidden within the rock, surviving scavengers, burial by mud and sand, the crushing of continents, the erosion of mountains and then grinding of ice ages...

Fossil hunting is an adventure full of amazing discoveries. The fossils that can be found around New Zealand tell us about evolution, extinction, ecology, climate change, and continental drift. Local fossils range from dinosaur bones and teeth to shells, crabs and other sea life, leaves and tree trunks, footprints and other tracks left by ancient animals, and even fossilised pool!

A fun and informative New Zealand guide to where and how to find fossils, for kids and their families. Kids are fascinated by dinosaurs, and love the idea of the fossils they have left behind. New Zealand has a rich fossil record, which is accessible to the amateur fossil-hunter in locations around New Zealand, including shells and plant remains, as well as the bones, teeth and other remnants of ancient reptiles, birds and fish.

This handy pack-sized guide features 30 accessible locations around the country where kids and their families can find fossils. Each location contains specific information on where to look and what to look for, as well as the geological background and other details of each site, and colour images of fossils that could be found there.



If this book is not in your collection, I highly recommend that it is. Even though most of the closer locations to us are a good day trip or two away from us here in the Bay of Plenty, planning a road trip heading to other regions why not incorporate some of these locations as a stop or rest area.

Review by Gordon Sherwood



**GEMSTONE, CRYSTAL  
& FOSSIL SHOW 2022**  
@ TAURANGA RACECOURSE

FRIDAY 7TH & SATURDAY 8TH OCTOBER  
& SUNDAY 9TH OCTOBER

**AUCTION @ 5PM SATURDAY 8TH OCTOBER**

ADULTS \$5.00, CHILDREN \$3.00  
FAMILY \$10.00

TICKETS PURCHASED ON ENTRY, ON THE DAY.  
NO ADVANCED TICKET SALES.

# 'GEMSTONE, CRYSTAL & FOSSIL SHOW 2022'

Hosted by the Tauranga Gem & Mineral Club

At the Tauranga Racecourse, 1383 Cameron Road, Greerton, Tauranga, New Zealand.

Friday 7TH October 9am-5pm

Saturday 8th October 9am - 5pm

And Sunday 9th October 9am -4pm.

**AUCTION @ 5pm Saturday 8th October**

The Tauranga Gem and Mineral Club is very pleased to again bring you this very popular Bi-annual indoor event. Be surprised and amazed with what treasures that are beneath our feet. View outstanding displays of Gemstones, Fossils and crystals from throughout NZ and the world. Come and see some lovely stalls. A perfect opportunity to stock up on unique Christmas gifts or treasures for yourself, you just never know what precious items you can find. Activities for the kids, See live demonstrations. Fossils, Gemstones, Minerals, Crystals, Jewellery, Carvings, Metaphysical supplies and much more. Huge Rock, Fossil and Mineral auction on the Saturday evening. Auction items can be viewed at the show Friday and Saturday.

Ticket Entry: Single Adult \$5.00, Single Child \$3.00,  
Family \$10.00. Tickets purchased on entry, on the day.  
There are no pre ticket sales.

**Display cases are available for members to display their collections. Put a couple of displays in, the more the merrier. See the club for details**



**Plan your display setup now** Inside measurements 1200 mm long X 600 mm high X 600 mm deep

# There Was Once A Millipede Larger Than A Human

## - And It Had No Known Predators

The giant extinct invertebrate *Arthropleura* resembled some modern millipedes, but could grow to be more than one-and-a-half feet wide, and may sometimes have been more than six feet long.

The giant extinct invertebrate *Arthropleura* resembled some modern millipedes, but could grow to be more than one-and-a-half feet wide, and may

sometimes have been more than six feet long. Reconstruction of the giant millipede *Arthropleura* from the Pennsylvanian and earliest Permian of North America and Europe.

During the Pennsylvanian and earliest Permian periods (about 320 to 290 million years before present), much of present-day North America and Europe was located close to the equator and was covered by vast, richly vegetated swamps.

The remains of this vegetation ultimately formed the great coal deposits that fuelled the Industrial Revolution and to this day remain a key energy resource. These ancient swamps were home to many large arthropods including early dragonfly relatives with wingspans in excess of two feet and the subject of this blog, the giant millipede *Arthropleura*. One species of *Arthropleura* ("jointed rib") is the largest known land-dwelling invertebrate of all time.

Since hair can't be preserved in fossils, we can't rule out the possibility that dinosaurs looked like this



The flattened body of *Arthropleura* is composed of approximately 30 jointed segments, each of which was covered by two side plates and one center plate. The ratio of pairs of legs to body segments was approximately 8:6, similar to some present-day millipedes. Typically, the body armor of *Arthropleura* fell apart after the death of the animal, and only individual segments or plates were preserved as fossils.

To read more

<https://www.geologyin.com/2020/05/largest-land-dwelling-bug-of-all-time.html>



# TGMC 2022 Regular Activities Calendar



 **Club night**  
2<sup>nd</sup> Monday  
6:00pm children 7:30pm all club

 **Field Trip**  
Last Sunday

**Workshop night**  
Every Tuesday 6:00-7:30pm  
February through Nov

 **Committee meeting**  
3rd Wednesday 7:30pm

 **Collection Viewing Night**  
Last Wednesday 7:30pm

Updated 19 Jan 2022

## 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)

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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)

**What is the Birthstone for July?**

**Ruby**

**Don't Forget  
The silent auction  
Next meeting  
Mon July 11th**

I am not a  
**Rock Hoarder**  
I am the  
curator  
of an  
**Extensive  
Private Geological  
Collection**



Facebook.com/CrazyRockLadyRocks



# WANTED TO BUY

Collections of minerals  
and crystals.

Lapidary material rough  
and cut.

Phone Greg 07 574 0905

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## Facebook Groups To Follow



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[Coromandel Peninsula Rockhounds](#)