



TAURANGA GEM & MINERAL CLUB INC

P.O. BOX 841 TAURANGA 3144

GEMZONE

April 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
www.rotorualapidary.co.nz

Colin & Bev Simmons

April 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 April

Please don't attend if you are unwell

Masks are required to enter building

Juniors from 6 pm – 7.30pm

Sand Bottles

Seniors at 7.30pm

Silent Auction The silent auction is a collection of Australia stones and minerals after the AGM.



A.G.M. Presidents report and election of officers.

Please attend everyone is welcome.

Fossil finds for the interest table

Committee - 3rd Wednesday of Month

20th April 2022 at 7.30 pm.

Meet at the clubrooms.

Field Trip

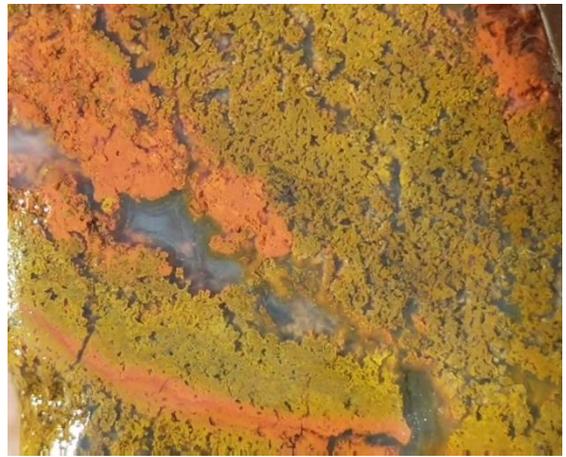
24 April Komata Reefs

Meet near Paeroa McDonalds leaving at 9:30am

Bring digging tools to dig in the tailings

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.



Stone Of The Month
Jasper

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 Last Wed of Month

Wednesday 27th April

Is at the home of Olga Nicholson

Villa 198/210 Maranui Rd Papamoa

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

- People to help paint the inside of our shop a bit closer to summer

Club membership.

Your club membership is due for renewal for the year 2022.

Please fill out the new subscription form and return by email to;

sec.tgmc@hotmail.com or drop off at the club rooms.

Payment can be made online or at the shop.

TGMC Committee Members 2020 and other Club Officers		
President Shared	Graeme Dewhurst Carla van den Hout	576 7874 552 5175
Vice President Shared	Carla van den Hout Graeme Dewhurst	552 5175 576 7874
Treasurer	Johanna Raynor	072828126
Secretary Club Email	Steve Raynor sec.tgmc@hotmail.com	282 8126
Membership		
Publicity	Bryce Cooper	0276950606
Shop	Carla van den Hout Olga Nicholson	552 5175 575 2070
Shop supplies	Bryce Cooper	0276950606
Field trips	Graham Hill	552 4496
Field trip assist.	Charlie Harris	021 0409332
Workshop	Bryce Cooper Raymond Schroder	0276950606 576 3027
Museum display	Margaret Parker	576 2660
Facebook admin	Ian Mason Kristy Phillips	543 4951 0210397340
Newsletter advertising	Ian Mason	021 235 5818
Patron	Roger Eade	576 0117
Newsletter	Ian Mason / Gordon Sherwood	0212355818/ 0226323534
Library/Museum	Marcel Authier John Clark	572 3034 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.

**TGMC Show 7-9 October-
Tauranga**

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."



Tribute to Roger Eade



The Generous Gentleman,
Anyone would be blessed to meet.
Honest, Kind, and helpful,
His character remains elite.

His posture would encourage us,
To go strong and be bold.
To do what makes us blissful,
And not what makes us fold.

A Friend, a Father,
A figure of courageous servant-hood,
A man of great experience and wisdom.
If anyone knew it, He would.

He left with us a legacy,
Of great intention, and daring will.
One of grace and comfort,
Others first, is who he would fulfil.

Stay golden Roger.
Go well in your new place.
'Sure there are rocks in heaven,
As well as plenty of space!

By Tiana Hill



Roger Remembered

By Olga Nicholson



Roger Eade Our Club Patron of 8 years, like so many of his generation, had an interesting and varied life.

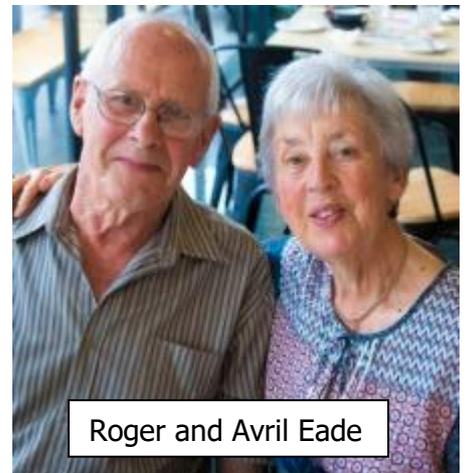
He entered the work force in a government department and worked his way up over many years to become an advisor in the health Board Division. This meant many shifts in his career to different parts of the country, but at heart he was always a Canterbury boy. As a young man most of his spare time was spent either tramping, hunting, or building DoC huts in the Southern Alps. This also sparked his interest in things geological finding rocks and minerals along the way.

During these years he also doubled as a guide for tourists visiting from all over the world to take part in his brother in law's venture of the Big Three hunting and fishing events that were held in around the Southern Alps. Another side to this led to him and a mate being extras or stunt men for a famous actor working on a film in the same area as the country was deemed too dangerous for the highly paid actor, Roger was more than happy to help out as they were able to keep all the VERY expensive clothing, boots, and packs used during the filming. Roger, throughout this time was also a very active member of the

search and rescue team providing many an interesting tale or two.

Due to his job Roger and his wife Avril lived in many parts of the country, the later years mostly being Auckland, Waikato, and Taupo. He joined the Hamilton Geology, Rock and Mineral Club before they chose to retire in Tauranga where he joined the Tauranga Gem and Mineral Club, this is where Kevin and I became involved with them both that lead to many fossicking trips both in New Zealand and Australia. On these trips usually the biggest decision of the day was what to have for dinner, 2 cheesecakes, or veges and cheesecake. All through this time they also managed to fit in many cruises around various parts of the world where Roger always seemed to find the odd rock or mineral (with a story of course), a classic was procuring a chip from the stair at the Colosseum in Rome, which he was adamant was loose already.

Roger's manner of collecting was a bit unusual as well. When I asked why he picked a particular rock up out of all the rest, which to me seemed significantly better samples, the answer was, "I liked then shape and oddity of it". His collection looked fantastic and was really something to see.



Roger and Avril Eade

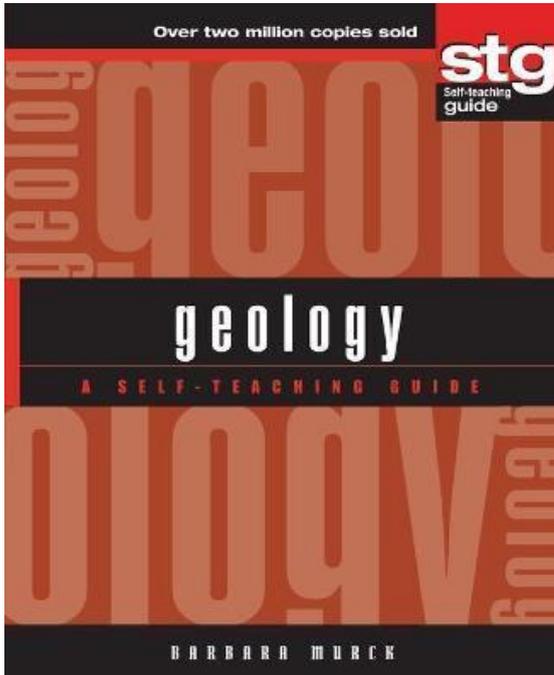
Thankyou Roger for some great and interesting times

Olga on behalf of the TGMC.

BOOK REVIEW

Book Reviews for the newsletter can be emailed to Ian Mason
imn.mason@hotmail.com

Geology
A SELF – TEACHING GUIDE
By Barbara Murck



This indispensable guide to the fundamentals of geology is the ideal way to introduce yourself to all the basics, from rocks, minerals, and fossil fuels to earthquakes, volcanoes, and plate tectonics. Using quick quizzes and self-tests to reinforce key concepts, *Geology* carefully walks you through billions of years of Earth history. Illustrated with more than one hundred specially commissioned illustrations and fifty photographs that help clarify difficult concepts, this easy-to-follow book is an interactive resource for anyone interested in learning more about our planet.

Whether you are new to geology or want to refresh and update your knowledge, the proven self-teaching guide approach will allow you to work at your own pace, check your progress, and learn more about this fascinating field of study.

Review By John Clarke

An Article from Heritage Quarterly New Zealand. NGAHURU. AUTUMN 2022

3D Rendering Brings Rocks To Life At Thames

WORDS: John O'Hare

A collection of three-dimensional virtual replicas from the world-renowned collection goes online at the Thames School of Mines.

Auckland University of Technology Master of Science student, Vanessa Cocal-Smith, has been working on a project to digitise 30 rare rock and mineral specimens via photogrammetry, making them publicly available on-line and accessible to people around the world.

"The collection at the Thames School of Mines is highly valuable - both scientifically and historically, and the school itself demonstrates the strong connection between geology and society." says Vanessa. Many of the existing materials were collected and used as educational tools when the School was operational in the 1900s, and some even earlier. "The School presents the progression of educational, technological and scientific advances in the 19th and 20th centuries which is something I hope to continue into the 21st century with this research," she explains.

Photogrammetry involves taking a series of overlapping images which are then "stitched" together using software designed for the task, producing a 3D rendering of the scanned object complete with colours and textures captured in the images.

The 3D images have been uploaded to the pen-source website Sketchfab, allowing for a new form of cataloguing and the ability to share the collection virtually. The painstaking process of capturing the

images involved setting up a purpose- designed temporary studio within the School. It also involved, surprisingly, a cake turntable. Each item was placed on the turntable and rotated at 10° intervals, then photographed to manually capture the images via Bluetooth connection to Vanessa's phone. "Nothing can replace the real deal, but with many specimens being very fragile - like epsomite which has tiny fibrous crystals formed by the evaporation of mineral water - these images allow the minerals to be handled without causing degradation," she says. "They also allow people to look at the minerals from different angles and to zoom in to identify features that may not be clear when they're on display. In years to come, the images of the specimens could even be linked to 3D mine cross- sections and maps."

As well as close details, the collection also tells a big-picture story. "It's a beautiful story." Vanessa says, explaining how the rocks inform us of the knowledge of the first iwi and their relationship to the whenua, as well as the Pakeha settlers who came from a global goldrush to settle in the Coromandel and make Thames, briefly, bigger than Auckland.

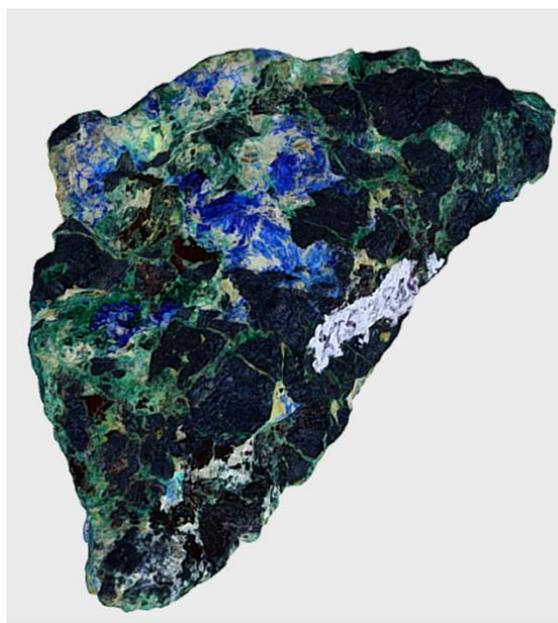
"It also tells the story of how mining helped New Zealand gain its wealth for nation building - as well as the stories of women and men who made the mines and helped New Zealand gain its wealth for nation building - as well as the stories of women and men who made the mines and settlements possible. In more recent times it's also about how the School educated miners and the wider community, and how today it is the guardian and custodian of these natural treasures," she explains. The specimens are part of the rich geoh heritage of the area, linked to its over 50 epithermal gold deposits as part of the Coromandel Volcanic Zone.

Going forward, the Thames School of Mines will continue to feature in Vanessa's Masters project, incorporating both geological science and social history. "My research aims to establish links between local geology and mineral samples to specific mines and the stories that emanate from them, looking further into the connections with tangata whenua and women - two historically under- represented groups," she says.

Her research will also look at developing strategies for public outreach to create an accessible museum experience while also disseminating and integrating the photogrammetric models in ways that can enable them to be used as an educational tool. Vanessa is particularly keen to look at links between rock specimens and the mine locations they came from - and from there, the families who supported the miners, the relationship between iwi and Pakeha settlers, the wealth mining generated - and how it shaped modern New Zealand.

To view the collection, visit: sketchfab.com/wzs1518/collections/thames-school-of-mines

Galena sphalerite malachite and azurite



SUBSCRIPTION PAYMENT FORM 2022

Tauranga Gem & Mineral Club, PO Box 841, Tauranga 3144
Email: sec.tgmc@hotmail.com

Surname.....

Christian Names.....

Junior members.....

.....

Address.....

.....

..... Post Code.....

Phone: Home..... Mobile.....

Email.....

New member Renewing member Any Junior members

I wish to receive my newsletter by: Email
Posted (\$12 extra)

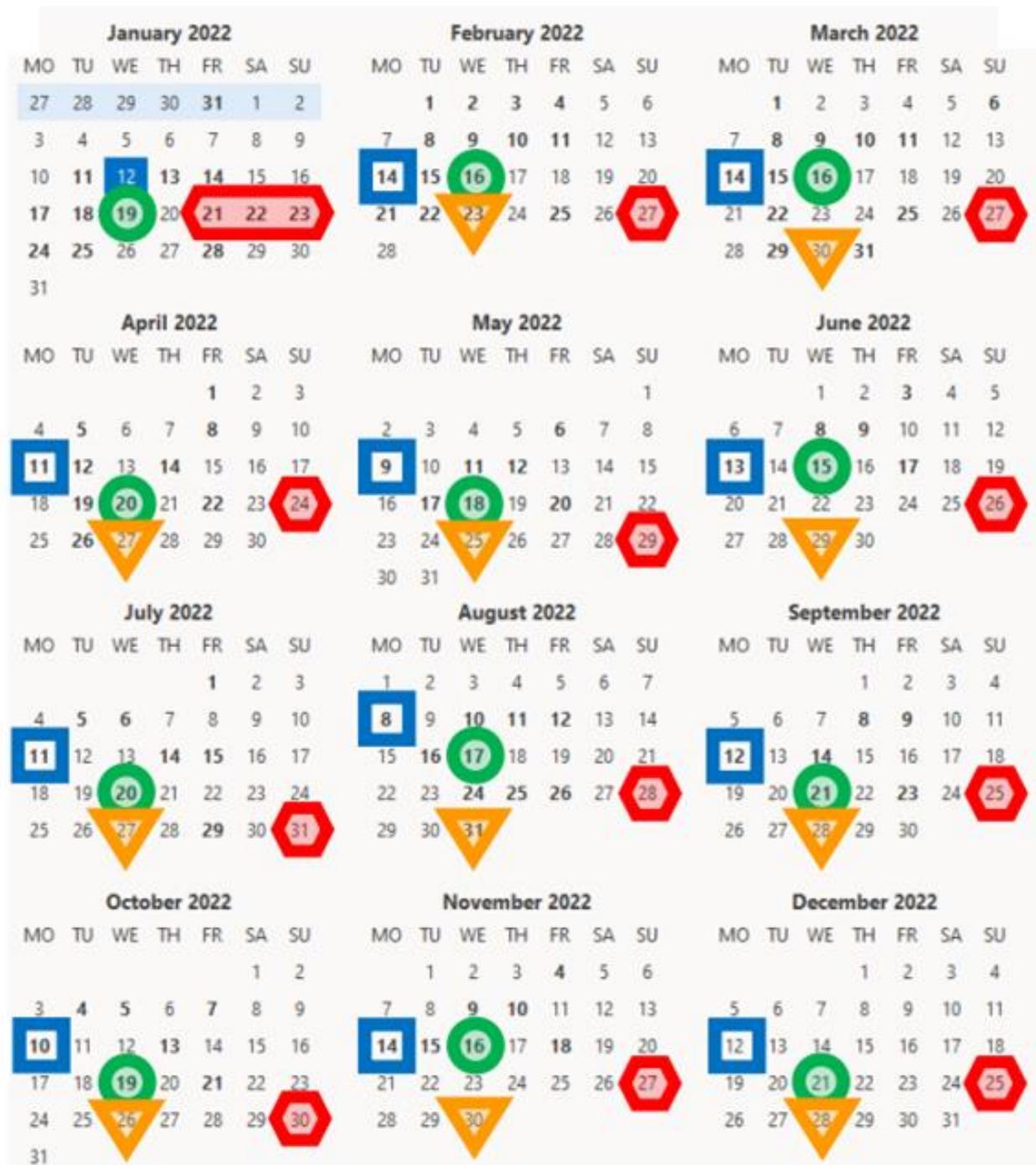
Financial year ends 31st Dec. Subs due for payment by 31st March. If sub unpaid by 31st March all Club privileges lapse, including newsletter

Subs: Family \$35. Individual \$25.

Subs can be paid to Westpac Bank a/c no. 030435 0467603 00
Use your name as reference. Please still fill out this form and return by email or send to club to ensure your payment is recognised.

Payment by: Cash Eftpos Online Banking

TGMC 2022 Regular Activities Calendar



 **Club night**
2nd 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

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@extra.co.nz



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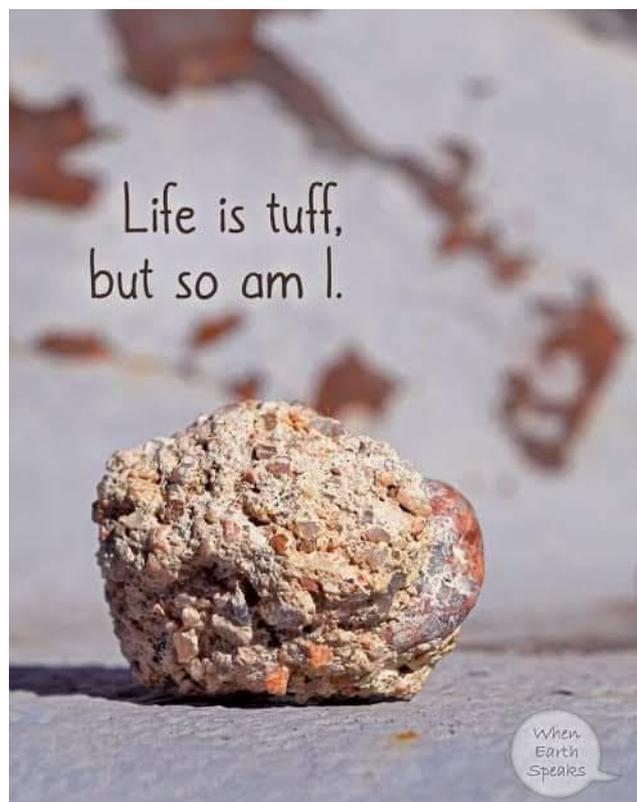
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TAURANGA	cnr elizabeth & glasgow sts (OPEN 7 DAYS)
MOUNT	37 hewletts road. (beside the flyover)
GREERTON	1231 cameron rd (next to super liquor)
FRASER COVE	corner of fraser & brook streets
OTUMOETA	95 ngatal road (near the otumoetai golf club)



What are the Birthstones for April?

Diamond



WANTED TO BUY

Collections of minerals
and crystals.

Lapidary material rough
and cut.

Phone Greg 07 574 0905

DIAMOND & Co

Custom Jewellery Design & Manufacture

diamondandco@xtra.co.nz • www.diamondandco.co.nz

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MT MAUNGANUI

07 575 3851

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[Coromandel Peninsula Rockhounds](#)