

GEMBOREE 2024

Easter Weekend 29 March - 1 April 2024

Willunga South Australia



60th National Gem and Mineral Show

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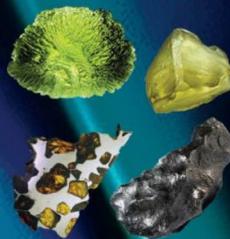
Crocoite
Tasmania, Australia



Ausrox Nugget (748 oz)
Western Australia



Fossils



Meteorites & Tektites



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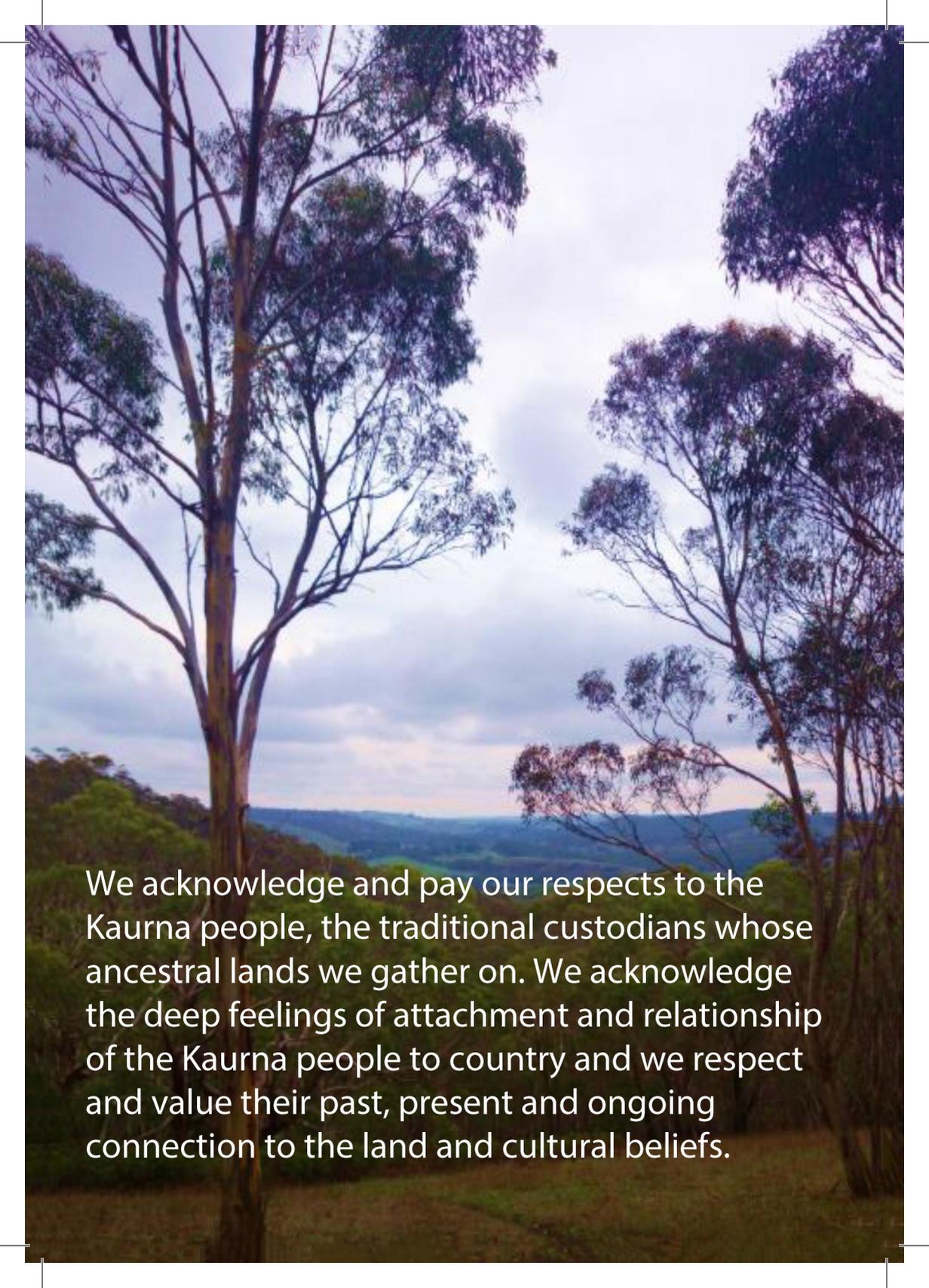
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A landscape photograph showing a valley with rolling hills and trees. The sky is overcast with grey clouds. In the foreground, there are several trees with green and brown foliage. The text is overlaid on the lower part of the image.

We acknowledge and pay our respects to the Kurna people, the traditional custodians whose ancestral lands we gather on. We acknowledge the deep feelings of attachment and relationship of the Kurna people to country and we respect and value their past, present and ongoing connection to the land and cultural beliefs.

Welcome to our GEMBOREE 2024



I am pleased to welcome the GEMBOREE to South Australia this year.

Willunga is a vibrant, historic town where you'll unearth some fascinating stories from our past and present.

Willunga Slate, discovered in 1840, was extensively used across Australia for some of our iconic buildings – Melbourne's GPO, Perth cathedral and the Adelaide town hall for instance – and in local roofs, paths and bridges. Around the town you can see charming examples of the stone cottages built by slate miners in the era.

The area's geological and fossil history is uniquely visible along our coastline. While in the district you may like to explore Hallett Cove, one of Australia's most recognised geological and archaeological sites, and the beginning of the glaciated bedrock valley that stretches all the way to Inman Valley near Yankalilla.

The Kurna are the traditional owners and custodians of this area and it is rich in traditional heritage and culture. There are many Kurna camping places, burial grounds and dreaming sites in the region.

While enjoying the Gemboree I encourage you to take some extra time to visit the area's beautiful beaches, explore our bush trails and extraordinary natural biodiversity, and to take advantage of our award-winning restaurants, wineries and fresh produce of the world-renowned McLaren Vale wine region of which Willunga is part.

We are proud of our amazing state, and we hope you have a fantastic stay. We look forward to welcoming you again soon.

Peter Malinauskas
Premier of South Australia

A handwritten signature in blue ink, appearing to read 'Peter Malinauskas'. The signature is fluid and cursive, with a prominent initial 'P'.



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Photo courtesy of South Australian Museum

Cover story

If any single mineral specimen epitomises the unique geology of South Australia this is it.

The rare specimen of bornite on display at the South Australian Museum measures 100 cubic centimetres, and is the largest single crystal of bornite ever unearthed.

This mineral association is unique to the Olympic Dam deposit in the far north of our State, making its provenance immediately recognisable.

Its quality far surpasses any bornite specimen from around the world in both its size and aesthetics, and these factors are highly prized in the international mineral market. It is fitting that the South Australian Museum's world leading minerals collection now holds the world's premier specimen of our new State Mineral Emblem.

It is hoped that the bornite specimen will be on permanent display in the mineral gallery by 2024.

Bornite is a copper iron sulfide mineral with a chemical composition of Cu_5FeS_4 . Bornite is found in porphyry copper and iron oxide copper gold deposits including throughout South Australia's Copper Belt.

Major finds of copper ore beginning with Kapunda in 1844 underpinned South Australia's early economic development and continues to be a major contributor to the State's economy through Australia's largest underground mine at Olympic Dam as well as mines at Wallaroo, Prominent Hill and Kanmantoo.

Bornite has a brown to copper-red colour on fresh surfaces that tarnishes to various iridescent shades of blue to purple in places. Its striking iridescence gives it the nickname peacock copper or peacock ore. Upon surface exposure, bornite will weather to chalcocite or other copper minerals.

Collected at the mine by the late Karl Eibl in 2003, the Museum acquired the specimen from the Tom & Sharon Hurley Collection in 2017.

Welcome to the 60th GEMBOREE®

This event is staged by Gem and Mineral Clubs Association of South Australia, on behalf of Australian Federation of Lapidary and Allied Crafts Association.

2024 GEMBOREE COMMITTEE

GEMBOREE

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Phone: 0429 506 995



Grass Trees made from crushed sapphire, designed by Tony Noel

How to get to GEMBOREE 2024

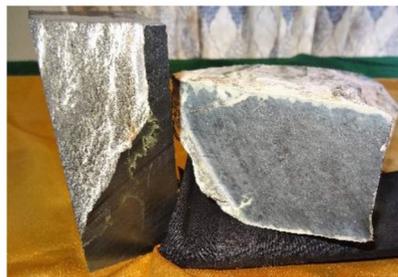


Ensure water tanks are full on arrival and be aware that some sites will require longer leads. Remember all electrical leads must have current testing tags. Pets must be on lead at all times and are not permitted in the hall. All grey water must be contained. A Dump point is available at the McLaren Vale and Fleurieu Coast Visitor Centre (8km from Willunga).

GEMBOREE site Entry will be from Railway Terrace for caravans and traders.



Orolano Metasomite (Harlequin Stone). From the Wallaroo region of the ancient Gawler Craton in South Australia.



Nephrite Jade. From Cowell region of the ancient Gawler Craton in South Australia.

What else can you do now you are here in Willunga?



Whether you have time before or after the GEMBOREE, the Fleurieu Peninsula is a beautiful area to explore. With beaches, wineries, breweries, and a fascinating geological history, make sure you take some time out to discover the many attractions the area has to offer.

The McLaren Vale and Fleurieu Visitors Centre would be a great starting place whether in person (they have a great little café and lots of souvenirs) or via the internet at mclarenvaleandfleurieucoast.com.au.

For those with an interest in the geology, a visit to the Inman Valley from Victor Harbor to Yankalilla you will pass Glacier Rock a feature from one of the last ice ages. A great spot to stop and explore as well as enjoy the delights of the Glacier Rock Café.

Following the trail from Yankalilla (great bakery there too), travel back through Myponga and over Sellick's Hill with a fantastic view of Southern Adelaide. A visit to Hallett Cove Conservation Park will complete your geological journey as you walk along the boardwalks right on the coast where more evidence of the glacial path awaits you. Sugarloaf is an interesting feature standing prominently on the path. Information boards along the way will help you follow the ancient story of this area.



If a food and beverage trail is more your thing there are many wineries, boutique breweries and distilleries within easy reach. With coastal towns and Adelaide Hills nearby there are restaurants and cafes



Perhaps you want to continue after the GEMBOREE, Kangaroo Island is well worth a visit and has plenty of attractions to appeal to all tourists. Travel via the Sealink Ferry to the island, you can take your caravan if you book ahead.

We hope you enjoy exploring this wonderful area.



Metal Detecting Tips for the Beach



Tides are always changing and learning how they impact beach terrain can greatly increase your finds. As the tides go out, it becomes easier to search deeper out in to the ocean floor to discover targets that may have been beyond your reach.

Searching tidal pools can be a hot spot on the beach. In fact the swirling motion of the water can act as a giant siphon for pulling in loose items recently dropped on the beach. These pools can act as repositories for newly lost jewelry

and coins.

To get the most out of your time spent at the beach choose the right sand scoop. For rocky areas or deep water, consider a heavy duty stainless steel or aluminum model with a long handle. In soft sand, a light weight mesh scoop works well.

Always fill your holes after recovering your target. Both on the beach and in the surf, it's important to fill your holes. It's especially important in the surf because a small child can easily lose their balance and fall into an unexpected hole.

Remove your treasure, but always remove your trash after your recovery. Don't forget that you share the beach with others, and you want to ensure the beach is cleaner when you leave.

Always wear headphones when on the beach. Plugging in your headphones will turn off the external speaker of the metal detector. It is a win-win proposition. You will more easily hear the deeper fainter signals and be able to block out external, wind, waves, radios and screaming children. Others on the beach will not be annoyed at the constant beeping of the metal detector distracting them from their fun and relaxation. There is enough space for everyone to enjoy the beach in harmony.



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Origins and History of A.F.L.A.C.A.

The Australian Federation of Lapidary and Allied Crafts Associations (A.F.L.A.C.A) is likely to have originated from a meeting on the 25th July 1964 held at the Western Suburbs Lapidary Club in N.S.W. to discuss the pros and cons of forming a Federation of Lapidary Clubs

In 1977 A.F.L.A.C.A. was formalised and the A.F.L.A.C.A. emblem, as we know it was adopted.

A.F.L.A.C.A's objectives can be described as being 'To promote popular interest and education in Lapidary and related Crafts; to sponsor and provide means of coordinating the efforts of all groups interested therein; to encourage the development and formation of Clubs through State Associations, and by such means, strive towards greater national goodwill and fellowship'

A.F.L.A.C.A. has been instrumental in the introduction, training of judges and adoption of a National Standard for Competitions and Judging. Following many years of State submissions, A.F.L.A.C.A has recently approved the Judging and Rules booklet to be available on-line.

The National GEMBOREE is registered and owned by A.F.L.A.C.A who has adopted a National calendar for the staging of the GEMBOREE.

A.F.L.A.C.A. traditionally holds its meetings at the GEMBOREE.

Gemboree History

The first GEMBOREE was held in Coonabarabran N.S.W. in 1965 following suggestions made to the editor of the Australian Lapidary Magazine, Mr. Norm Patison. His vision has seen the GEMBOREE conducted every year since as the national gathering of lapidaries.

Norm Patison lived to see the GEMBOREE become a truly national event and his name is commemorated on a perpetual trophy at the National Gem and Mineral Competitions held in conjunction with the GEMBOREE.

In 1968 the newly formed Victorian Gem Clubs Association decided to hold a GEMKHANA to bring their State members together. The GEMKHANA was held in March to avoid clashing with the GEMBOREE held at Easter. Buoyed by the success of the GEMKHANA the Victorian association conducted the 1969 GEMBOREE. The GEMBOREE has been shared between States and Territories since then. Sadly, due to a small lapidary population and the tyranny of distance has seen West Australia withdraw from hosting the event – at least for the time being.

GEMBOREE Venues

1965	Coonabarabran	1986	Loxton	2007	Gatton
1966	Coonabarabran	1987	Shepparton	2008	Murray Bridge
1967	Nundle	1988	Canberra	2009	Horsham
1968	Gundagai	1989	Devonport	2010	Devonport
1969	Beechworth	1990	Bundaberg	2011	Bathurst
1970	Nundle	1991	Loxton	2012	Bundaberg
1971	Coleraine	1992	Midland	2013	Murray Bridge
1972	Tanunda	1993	Alice Springs	2014	Gatton
1973	Inverell	1994	Ballarat	2015	Horsham
1974	Nambour	1995	Glenn Innes	2016	Ulverstone
1975	Broken Hill	1996	Toowoomba	2017	Lithgow
1976	Gunnedah	1997	Launceston	2018	Willunga
1977	Shepparton	1998	Gawler	2019	Rockingham
1978	Gympie	1999	Rockingham	2020	Albury
1979	Tanunda	2000	Ballarat	2021	Hobart
1980	Wanneroo	2001	Wagga Wagga	2022	Mudgee
1981	Devonport	2002	Rockhampton	2023	Dayboro
1982	Glenn Innes	2003	Gawler	2024	Willunga
1983	Broken Hill	2004	Warrigal	2025	Victoria
1984	Mt Isa	2005	Bathurst	2026	Tasmania
1985	Wanneroo	2006	Hobart		<i>Red = South Australia</i>

This year the GEMBOREE held at Willunga, South Australia is the 60th scheduled GEMBOREE.



Green Gypsum Selenite Mt Gunson in South Australia



Aragonite Penrice quarry, Angaston, Barossa Valley in South Australia

Gemboree 2024 competition schedule and conditions

THIS IS LEVEL 4 COMPETITION

All sections will be judged according to the rules and conditions of the Competitor and Judging Manual for Lapidary and Allied Competitions Issue No. 8. April 2015. **Unless otherwise stated in this schedule.**

The Competition Committee may transfer an entry to its correct Section if they are of opinion that it has been entered in the wrong section.

Competitors are responsible for insurance of their entries whilst in transit and in the possession of the GEMBOREE Committee.

Competitions Abbreviations:

O = Open, **I** = Intermediate, **N** = Novice , and **J** = Junior Divisions.

C = Judged as Craftsmanship, **AA** = Judged as Aesthetic Appeal, **SC** refers to Special Condition.

AT = Annual Trophy, **PT** = Perpetual Trophy

Entry forms

For all sections must be received no later than Monday 15th of January 2024 together with

- Entry fee of \$ 2.00 per item entered.
- Sufficient funds to cover cost of return (Registered post preferred)
- A stamped self-addressed envelope for return of receipt.

Late entries will not be eligible for competition, they may be used for display ONLY.

Overseas entries

Will be deemed to be in Open Division. Overseas entrants are advised to clearly label their packages: "Lapidary Competition Entries to be returned ".It is advisable to include a copy of the entry form in the package to minimise Customs queries both in Australia and in the country of origin. These entries will be free.

Entries in sections/groups

1, 2, 3, 4, 6, 8, 9, 10, 11, 12, 18, 19, 20, 21, 24, 25, 26 and 27.

These will be judged before the GEMBOREE. They must be mailed to reach the Competition Committee by **Monday 15th of January 2024**. It is recommended that all mail entries be sent Registered or Express Post. Receipts for these entries will be sent by return mail. **Late entries will not be eligible for competition, they may be used for display ONLY.**

Entries in sections/groups

5, 7, 13, 14, 16, 17, 28, 29, 31, 32, 34, and 37.

As advised on the entry form are to be delivered to Competition Committee at the GEMBOREE site between **1 pm – 4 pm on Thursday 28th of March 2024**. Receipts will be provided upon delivery of actual entries.

Judging sheets

may be collected from the Competition Committee between **3 pm – 4 pm on Saturday 30th March 2024**. Judging sheets not collected will be returned with entries. Entry receipt and proof of identity must be provided to collect judging sheets.

Awards and Trophies: Medallions awarded will be displayed with the entry during the GEMBOREE and engraved as appropriate.

The winners of Perpetual and Annual Trophies will be presented with a Keeper Trophy during the AWARD Ceremony held during the GEMBOREE.

Trophies and Medallions won by competitors not attending the GEMBOREE will be returned after the GEMBOREE with their entries and Judging sheets.

Entries may be collected

for Groups/ Sections **5, 16, 17, 26C, 28, 29, 31, 32, 34,** and **37** from the competition office between **4 pm – 5 pm on Monday 1st April 2024**. Receipt for the entries and proof of identity MUST be provided. Entries not collected by this time will be returned as specified by the competitor on their entry form

Groups/ Sections **1, 2, 3, 4, 5c, 6, 7, 8, 9, 10, 11, 12, 13, 14, 18, 19, 20, 21, 24, 25, 26A, 26B** and **27** may be collected from the competition office between **4 pm – 6 pm on Monday 1st April 2024**. Receipt for the entries and proof of identity MUST be provided. Entries not collected by this time will be returned as specified by the competitor on their entry form

PLEASE NOTE: All due care will be taken, however the GEMBOREE Committee accepts no responsibility if any loss and or damage occurs.

SPECIAL CONDITIONS – Refer to Competition and Judging Manual

- a: Sizes and Tolerances - Where an Entry does not conform to the size condition stated in the Manual or the conditions set in this schedule, it will be ruled ineligible.
- b: Carving Group 5 – Page 37 D 8.4.1 re sizes and D8.4d. re labels.
- c: Facet Section Groups 8 to 11 – Page 43 - Display Boxes (D11.3 d.); Identification of Material (D11.3 e.); Specified Size (D11.2 p.) Facet drawings are for illustration purposes only and not necessarily to scale. N.B. The length to width ratios for specified sizes may not necessarily align.

- d: Tumbled Stones Group 12 –Page 55 - Sizes (D 12.4)
- e: Gem Trees - Group 16 - Page 61 -Sizes (D 16.2)
- f: Novelty Gemcraft Group 17 - Page 62- Size (D 17.2)
- g: Jewellery, Enamelling and Metalcraft Groups 18 to 28 - page 63 - part E
- h: Enamelling Non Jewellery Group 26 – pages 64 and 65- E3.5 to E3.8
- i: Showcases Groups 29 to 31 – pages 87 to 96 Part F. Size of the showcases used in these competitions must be stated on the official entry form to ensure sufficient space is allowed.
- j: Fossils Group 32 Pages 97 to 104 Part G

Identification Stickers: (page 101 -G 6.6) The Competition committee will supply small, numbered stickers for Group Entries of Fossil or Mineral Sections. Stickers will be given to entrants by the Competition committee at the time of set up.



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Competition sections

GROUPS 1 & 2 CABOCHONS

Unless otherwise specified all Cabochons must have minimum size 15mm on longest dimension across the outline shape. Maximum size of 50mm on the longest dimension across the outline shape.

Section No.	Description	Trophy	Special condition
O 1A.1	Standard Cabochon Australian Agate – Specified Size 30mm x 40mm	CS PT01, AT21	a
I 1A.2	Standard Cabochon Australian Agate – Specified Size 30mm x 40mm	CS PT02	a
N 1A.3	Standard Cabochon Australian Agate – Specified Size 30mm x 40mm	CS PT03	a
J 1A.4	Standard Cabochon – Any Material	CS AT01, AT15	a
O 1A.5	Standard Cabochon – Mookite	AA AT07	a
I 1A.6	Standard Cabochon – Mookite	AA	a
N 1A.7	Standard Cabochon – Jasper	AA	a
O 1B.1	Fancy Cabochon – Petrified Wood	CS PT01, AT27	a
I 1B.2	Fancy Cabochon – Petrified Wood	CS PT02, AT27	a
N 1B.3	Fancy Cabochon – Petrified Wood	CS PT03, AT27	a
J 1B.4	Fancy Cabochon – Any Material	CS AT01, AT27	a
O 1B.5	Fancy Cabochon – Tigers Eye	AA AT27	a
I 1B.6	Fancy Cabochon – Tigers Eye	AA AT27	a
N 1B.7	Fancy Cabochon – Tigers Eye	AA AT27	a
O 2A.1	Double Standard Cabochon – Obsidian (any variety)	CS AT18	a
I 2A.2	Double Standard Cabochon – Obsidian (any variety)	CS	a
N 2A.3	Double Standard Cabochon – Obsidian (any variety)	CS PT03	a
J 2A.4	Double Standard Cabochon – Australian Agate	CS	a
O 2B.1	Double Fancy Cabochon – Sodalite	CS PT01	a
I 2B.2	Double Fancy Cabochon – Sodalite	CS	a
N 2B.3	Double Fancy Cabochon – Sodalite	CS	a

GROUP 3 FREE FORM

Maximum size 50mm and minimum must not be able to be passed through 10mm diameter hole.

Section No.	Description	Trophy	Special condition
O 3.1	Free Form – Any Material not opal	CS AT27	a
I 3.2	Free Form – Any Material not opal	CS AT27	a
N 3.3	Free Form – Any Material not opal	CS AT27	a
J 3.4	Free Form – Any Material not opal	CS AT01, AT27	a
O 3.5	Free Form – Solid Opal	CS AT14, AT27	a
I 3.6	Free Form – Solid Opal	CS AT27	a
N 3.7	Free Form – Solid Opal	CS AT27	a
J 3.8	Free Form – Solid Opal -minimum 10mm on short axis	CS AT01	j

GROUP 4 OPAL

Maximum size 30mm and must not be able to be passed through a 10mm hole.

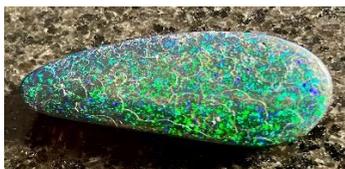
Section No.	Description	Trophy	Special condition
O 4A.1	Opal Doublet – Flat Top	CS PT01	a
O 4B.1	Opal Doublet – Domed Top	CS	a
N 4B.2	Opal Doublet – Domed Top	CS	a
J 4B.3	Opal Doublet – Domed Top	CS	a
O 4C.1	Opal Triplet	CS	a
N 4C.2	Opal Triplet	CS	a

GROUP 5 CARVINGS & CAMEO

Section No.	Description	Trophy	Special condition
O 5A.1	Fully 3 - Dimensional – Hardness 5 or under	AT27	ab
O 5A.2	Fully 3 - Dimensional – Hardness over 5 (an abstraction or stylisation of a known form)	AT25, AT27	ab
N 5A.3	Fully 3 - Dimensional – Any Hardness	AT27	ab
J 5A.4	Fully 3 - Dimensional – Any Hardness (must be a known form)	AT03, AT27	ab
O 5B.1	Carving in relief – Any Hardness	AT27	ab
N 5B.2	Carving in relief – Any Hardness	AT27	ab
O 5C.1	Cameo – Minimum 25mm on longest dimension of outline of shape of carving	AT27	ab
N 5C.2	Cameo – Minimum 25mm on longest dimension of outline of shape of carving	AT27	ab
O 5D.1	Intaglio - Minimum 25mm on longest dimension of carving	AT27	ab
N 5D.2	Intaglio - Minimum 25mm on longest dimension of carving	AT27	ab
O 5E.1	Carving not otherwise Specified in Group 5A to 5D	AT27	ab
N 5E.2	Carving not otherwise Specified in Group 5A to 5D	AT27	ab

GROUP 6 SCRIMSHAW

Section No.	Description
O 6.1	Scrimshaw - Australian Wildlife
N 6.2	Scrimshaw - Australian Wildlife



Matrix Opal,
Andamooka, in
South Australia



Carved Opal
from Coober
Pedy, in South
Australia. Wire
wrapped by
Helen Scofield

GROUP 7 SPHERE and OVOIDS

Section No.	Description	Special condition
O 7A.1	Sphere – minimum overall size 40mm – maximum 100mm – Natural Australian Lapidary Material	a
N 7A.2	Sphere – minimum overall size 40mm – maximum 100mm – Natural Australian Lapidary Material	a
O 7B.1	Ovoid - Natural Australian Lapidary Material	a
N 7B.2	Ovoid - Natural Australian Lapidary Material	a

GROUPS 8 - 11 FACET CUTS

Section No.	Description	Trophy	Special condition
O 8A.1	Standard Round Brilliant Continuous Girdle – Coloured Cubic Zirconia	PT01	ac
I 8A.2	Standard Round Brilliant Continuous Girdle – Coloured Cubic Zirconia	AT29	ac
N 8A.3	Standard Round Brilliant Continuous Girdle – Coloured Cubic Zirconia	AT22	ac
O 8B.1	Standard Round Brilliant Faceted Girdle – Specified Size 8mm – Australian Amethyst	AT16, AT23,	ac
I 8B.2	Standard Round Brilliant Faceted Girdle – Specified Size 7mm – Australian Amethyst	AT29	ac
N 8B.3	Standard Round Brilliant Faceted Girdle – Australian Amethyst	AT22	ac
O 9A.1	Standard Oblong Stepcut with cut corners – Specified Size 12mm x 14mm – Australian Citrine	AT16, AT23	ac
I 9A.2	Standard Oblong Stepcut with cut corners – Specified Size 11mm x 13mm – Australian Citrine	AT29	ac
N 9A.3	Standard Oblong Stepcut with cut corners – Coloured Quartz	PT03, AT22	ac
J 9A.4	Standard Oblong Stepcut with cut corners – Coloured Quartz		ac
O 10.1	The Meridian Cut – Colourless Topaz	AT16, AT27	ac
I 10.2	Centralian Star – Colourless Topaz	AT27, AT29	ac
N 10.3	JBCROSS – Colourless Man-made Cubic Zirconia	AT22, AT27	ac
J 10.4	Topaz Twinkler-96 – Colourless Topaz	AT27	ac
O 10.5	Montezuma Concava – Concave Cut – Blue Man-made Cubic Zirconia	AT27	ac
O 11.1	English Rose - Colourless Quartz	AT10, AT27	ac
I 11.2	Vesper – Colourless Man-made Cubic Zirconia	PT02, AT27, AT29	ac
N 11.3	Petunia – Coloured Man-made Cubic Zirconia	AT22, AT27	ac

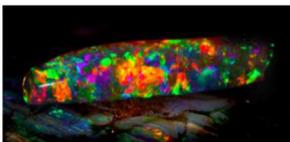


Image of the Virgin Rainbow from Coober Pedy is from the South Australia Museum,

GROUPS 12 TUMBLED STONES

Maximum size 30mm and not to be able to be passed though 15mm hole.

Section No.	Description	Trophy	Special condition
O 12A.1	Pre Form – Group of 3 – Three different materials	AT27	ad
N 12A.2	Pre Form – Group of 3 – Three different materials	AT27	ad
O 12B.1	Natural Shape – Group of 3 – Australian Agate	AT27	ad
N 12B.2	Natural Shape – Group of 3 – Australian Agate	AT27	ad

GROUPS 13 & 14 POLISHED FACES

Minimum size 50mm and maximum 150mm on any dimension.

Section No.	Description	Trophy	Special condition
O 13.1	Polished Face Flat Surface – Tiger Iron	AA AT27	a
N 13.2	Polished Face Flat Surface – Tiger Iron	AA AT27	a
O 14.1	Polished Face Curved Face – Australian Agate	AA	a
N 14.2	Polished Face Curved Face – Australian Agate	AA	a

GROUP 16 GEM TREE

Section No.	Description	Special condition
O 16.1	Single Tree	ae
N 16.2	Single Tree	ae
J 16.3	Single Tree	ae

GROUP 17 NOVELTY GEMCRAFT

Section No.	Description	Trophy	Special condition
O 17.1	Novelty Gemcraft	AT27	af
N 17.2	Novelty Gemcraft	AT27	af
J 17.3	Novelty Gemcraft	AT27	af



Gem Tree made from crushed Chrysoprase & Prase, designed by Tony Noel



Malachite from Burra in South Australia

GROUP 18 HAND FABRICATED and WIRE WRAPPED JEWELLERY

Section No.	Description	Trophy	Special condition
O 18A.1	Hand Fabricated Jewellery, not intended to include lapidary, fossil or mineral items	AT02, AT27	g
I 18A.2	Hand Fabricated Jewellery, not intended to include Lapidary, fossil or mineral items	AT27	g
N 18A.3	Hand Fabricated Jewellery, not intended to include lapidary, fossil or mineral items	AT27	g
J 18A.4	Hand Fabricated Jewellery, not intended to include lapidary, fossil or mineral items	AT27	g
O 18B.1	Hand Fabricated Jewellery, with lapidary item/s Cut and set by entrant	AT11, AT27	g
I 18B.2	Hand Fabricated Jewellery, with lapidary item (Opal/s) Cut and set by entrant	AT27	g
N 18B.3	Hand Fabricated Jewellery, with Lapidary item/s cut & set by entrant	AT27	g
O 18B.4	Hand Fabricated Jewellery, with Lapidary item/s (Opal/s) cut & set by entrant	AT24, AT27	g
O 18C.1	Hand Fabricated Jewellery, with natural Mineral/fossil specimen/s set by entrant	AT06, AT27	g
N 18C.2	Hand Fabricated Jewellery, with natural Mineral/fossil specimen/s set by entrant	AT27	g
O 18D.1	Hand Fabricated Jewellery, with commercial Lapidary item/s set by entrant	AT27	g
N 18D.2	Hand Fabricated Jewellery, with commercial Lapidary item/s set by entrant	AT27	g
O 18E.1	Wire wrapped jewellery, with lapidary item/s cut and set by entrant		g
N 18E.2	Wire wrapped jewellery, with lapidary item/s cut and set by entrant	AT26	g
J 18E.3	Wire wrapped jewellery, with lapidary item/s cut and set by entrant		g



Iron stained quartz, White rock quarry in South Australia

GROUP 19 CAST AND METAL CLAY JEWELLERY using patterns, moulds and dies made by entrant

Section No.	Description	Trophy	Special condition
O 19A.1	Cast jewellery, not intended to include Lapidary, Fossil or Mineral items	AT28	ag
N 19A.2	Cast jewellery, not intended to include Lapidary, Fossil or Mineral items	AT28	ag
O 19B.1	Cast jewellery with Lapidary Item/s cut and set by entrant	AT28	ag
N 19B.2	Cast jewellery with Lapidary Item/s cut and set by entrant	AT28	ag
O 19E.1	Metal clay jewellery not intended to include Lapidary, Fossil or Mineral Item/s		ag
N 19E.2	Metal clay jewellery not intended to include Lapidary, Fossil or Mineral Item/s		ag
O 19F.1	Metal clay jewellery, with Lapidary Item/s cut and set by entrant		ag
N 19F.2	Metal clay jewellery, with Lapidary Item/s cut and set by entrant		ag
O 19G.1	Metal clay jewellery, with Commercial Lapidary Item/s set by entrant		ag
N 19G.2	Metal clay jewellery, with Commercial Lapidary Item/s set by entrant		ag

GROUP 20 CAST AND METAL CLAY JEWELLERY using natural objects as patterns

Section No.	Description	Trophy	Special condition
O 20A.1	Cast jewellery, not intended to include Lapidary, Fossil or Mineral items	AT28	ag
N 20A.2	Cast jewellery, not intended to include Lapidary, Fossil or Minerals	AT28	ag
O 20E.1	Metal clay jewellery, not intended to include Lapidary, Fossil or Mineral Item/s		ag

GROUP 21 CAST JEWELLERY using commercial wax models or patterns

Section No.	Description	Trophy	Special condition
O 21A.1	Cast jewellery, not intended to include Lapidary, Fossil or Mineral item	AT28	ag
N 21A.2	Cast jewellery, not intended to include Lapidary, Fossil or Mineral item.	AT28	ag
O 21D.1	Cast jewellery, with Commercial Lapidary Item/s set by entrant	AT28	ag

GROUP 24 ENAMELLED JEWELLERY

Section No.	Description	Special condition
O 24A.1	Enamelled jewellery, in hand-fabricated setting.	ag
N 24A.2	Enamelled jewellery, in hand-fabricated setting.	ag

GROUP 25 COMMERCIAL MOUNT JEWELLERY

Section No.	Description	Trophy	Special condition
O 25.1	Commercial Mount Jewellery Pendant with Lapidary item cut & set by entrant.		ag
I 25.2	Commercial Mount Jewellery Pendant with Lapidary item cut & set by entrant.	PT02	ag
N 25.3	Commercial Mount Jewellery Pendant with Lapidary item cut & set by entrant.	PT03	ag
J 25.4	Commercial Mount Jewellery Pendant with Lapidary item cut & set by entrant.	AT01	ag

GROUP 26 ENAMELLING SECTIONS

Section No.	Description	Trophy	Special condition
O 26A.1	Enamelled Jewellery in Commercial Mount		ag
N 26A.2	Enamelled Jewellery in Commercial Mount		ag
O 26B.1	Enamelled Jewellery without Mount		ag
N 26B.2	Enamelled Jewellery without Mount		ag
O 26C.1	Enamelling Non Jewellery	AT05	agh
N 26C.2	Enamelling Non Jewellery		agh

GROUP 27 METALCRAFT

Section No.	Description	Special condition
O 27A.1	General Metalcraft, not intended to include Lapidary, Fossil or mineral	ag
N 27A.2	General Metalcraft, not intended to include Lapidary, Fossil or mineral	ag

GROUP 28 METAL SHEET WORK

Section No.	Description	Special condition
O 28A.1	Bas Relief or Impressed Pattern	ag
N 28A.2	Bas Relief or Impressed Pattern	ag

GROUP 29 SHOWCASES

Section No.	Description	Trophy	Special condition
O 29B.1	Showcase General – LIT	AT17	ai
N 29B.2	Showcase General – LIT		ai
O 29B.3	Showcase Novelty - food and wine related – LIT		ai
N 29B.4	Showcase Novelty - food and wine related – LIT		ai

GROUP 32 FOSSILS

Section No.	Description	Trophy	Special condition
O 32A.1	Fossil Non Display- Plant Australian		aj
N 32A.2	Fossil Non Display – Vertebrate Australian		aj
O 32A.3	Fossil Non Display - Any Type Any Location		aj
N 32A.4	Fossil Non Display - Any type Overseas		aj
J 32A.5	Fossil Non Display - Any Type Any Location		aj

Maximum plan size of whole group NOT to exceed 200mm x 200mm

O 32B.1	Fossil Non Display - Group of 3 Mixed - Any Location		aj
N 32B.2	Fossil Non Display - Group of 3 Mixed - Australian		aj
J 32B.3	Fossil Non Display - Group of 3 Mixed - Any Location		aj

GROUP 34 MINERAL NON-DISPLAY

Section No.	Description	Trophy	Special condition
O 34A.1	Single Australian Crystal faceting quality	Miniature	AT13, AT27
N 34A.2	Single Australian Specimen	Miniature	AT12, AT27
J 34A.3	Single Australian Specimen	Miniature	AT19, AT27
O 34A.4	Any Australian Crystal Cluster	Miniature	AT13, AT27
N 34A.5	Crystal Cluster - Any location	Miniature	AT12, AT27
O 34B.1	Group of 3 Australian Crystal Clusters - Sulphides - Different Location	Cabinet Size	AT13, AT27
N 34B.2	Group of 3 Australian Crystal Clusters – Metallic - Different Location	Miniature	AT12, AT27
J 34B.3	Group of 3 Australian Crystal Clusters - Quartz- Different Location	Miniature	AT19, AT27
O 34B.4	Group of 3 Australian Crystal Clusters- Different Location	Thumbnail	AT09, AT13, AT27
N 34B.5	Group of 3 Australian Crystal Clusters - Different Location	Thumbnail	AT12, AT27
J 34B.6	Group of 2 Thumbnail Specimens- Any Location	Thumbnail	AT19, AT27

GROUP 37 MINERAL SHOWCASE DISPLAY

Section No.	Description	Trophy	Special condition
O 38B.1	Mineral Showcase Display SOLO Lit - Quartz Minerals	AT20	ai

TAILGATING APPLICATION FORM

GEMBOREE 2024– WILLUNGA S.A.

Mail to Tailgating Coordinator - P.O. Box 5074 Alberton S.A. 5074 or
Email (Direct Credit payments only) to clowe1@bigpond.com

Pls note application forms to be returned by Monday 15th Jan 2024.

I wish to apply for permission to tailgate at the 2024 GEMBOREE in Willunga. I have read the Terms and Conditions and by signing this form both my assistants and I agree to abide by them. **(Please print clearly)**

SURNAMEGIVEN NAME.....
ADDRESS.....
PHONE.....MOBILE.....
EMAIL.....

Please circle the days you wish to Tailgate:

Friday 29th March Saturday 30th March Sunday 31st March Monday 1st April

FEES: Fees are **\$200** for 4 Days trading or **\$70** for Single Day trading for a 4 metre frontage x 8 metre site. **Note:** You **MUST** have your own Public and Property Liability Insurance.

Entry fee for 1 Adult is included in Tailgating fees, all others to pay \$10 per day or a 4 day pass can be purchased for \$30.

PAYMENT

TAILGATING FEE	4 DAYS is \$200	\$.....
	1 DAY Traders is \$70 per day	\$.....
REGISTRATION – OFF SITE		
	daily entrance \$10 per day /4 day pass \$30 per adult	\$
TOTAL Enclosed		
	please circle: Cheque Money Order Direct Credit	\$

Signed Date

Terms & Conditions:

1. I will abide by the following terms and conditions to tailgate at GEMBOREE 2024
2. I will trade only within the times and areas allotted to me by the organisers.
3. I will trade in a respectful manner at all times and follow instructions from the organisers.
4. Application to tailgate does not entitle me to trade except upon acceptance by the organisers and receipt of the permit to trade
5. I agree to pay the appropriate registration fee as a participant of GEMBOREE 2024 and to pay the required tailgating fees
6. Should I contravene any part of this contract, I agree to vacate the GEMBOREE 2024 site and forfeit all monies paid.

PLEASE MAKE ALL CHEQUES PAYABLE TO: GMCASA GEMBOREE ACCT

Direct Credit to BSB 105 116 Account: 072298440

Ensure clear identification and tick box if using Direct Credit

Contact Convenor Chris Rowe for any enquiries

VOLUNTARY ASSISTANCE FORM

GEMBOREE 2024 – WILLUNGA S.A.

Mail to: GEMBOREE SA - P.O. Box 5074 Alberton S.A. 5074

Please contact Convenor Chris Rowe for any enquiries

The staging of a GEMBOREE is a massive task and we are thankful for any assistance offered. Please indicate below which areas, days and times you are available to assist.

The major areas where assistance is greatly appreciated are:

CAMPSITE MARKING etc – From Tuesday 26th March

CAMPSITE GATES – From 1:30pm Wednesday ongoing

EXHIBITION HALL SETTING UP – From 2pm Wednesday

PUBLIC ENTRY GATE – From 10am Friday to Monday closing

EXHIBITION DOORS – From 10am Friday to Monday closing

EXHIBITION HALL STEWARD – During opening hours of the Show

COMPETITION STEWARD - From 4:30pm Thursday

EXHIBITION DISMANTLING

CAMPSITE CLEANUP TRESTLE LOADING ETC

OTHER ASSISTANCE: please specify

SURNAMEGIVEN NAME

ADDRESS.....

PHONEMOBILE.....

EMAIL.....

Areas where you are offering to help

.....
.....
.....
.....

Times you are available between Wednesday 27th March and Tuesday 2nd April.

.....
.....
.....

Pls return by Monday 15th Jan024.....



COMPETITION ENTRY FORM

MAIL TO: GEMBOREE COMPETITION CO-ORDINATOR - P.O. Box 5074 Alberton S.A. 5074

Entry forms for all sections must be received no later than Monday 15th of January 2024 together with entry fee of \$ 2.00 per entry and sufficient funds to cover cost of return (Registered post preferred) and a stamped self-addressed envelope for return of receipt. Please note all cheques to be made payable to GMCASA-GEMBOREE

NAME..... ADDRESS.....

STATE.....POST CODE..... TELEPHONE NoMOBILE.....

EMAIL..... FULL NAME OF CLUB

Date of birth (Juniors Only) Under 16 at 15th January 2024

Number of entriesEntry Fee \$2 per entry

Will collect entriesOR Return postage (Registered Post Recommended) \$

Signed..... TOTAL ENCLOSED \$

I require my entries to be returned as ABOVE OR (please supply clear instructions)

Please note: It is recommended that all mail entries be sent Registered or Express Post.

Entries in these sections must be in the hands of the Competition Committee by Monday 15th of January 2024. Please show number of entries in each of these sections below.

O1A.1	I1A.2	N1A.3	J1A.4	O1A.5	I1A.6	N1A.7	O1B.1
I1B.2	N1B.3	J1B.4	O1B.5	I1B.6	N1B.7	O2A.1	I2A.2
N2A.3	J2A.4	O2B.1	I2B.2	N2B.3	O3.1	I3.2	N3.3
J3.4	O3.5	I3.6	N3.7	J3.8	O4A.1	O4B.1	N4B.2
J4B.3	O4C.1	N4C.2	O6.1	N6.2	O8A.1	I8A.2	N8A.3
O8B.1	I8B.2	N8B.3	O9A.1	I9A.2	N9A.3	J9A.4	O10.1
I10.2	N10.3	J10.4	O10.5	O11.1	I11.2	N11.3	O12A.1
N12A.2	O12B.1	N12B.2	O18A.1	I18A.2	N18A.3	J18A.4	O18B.1
I18B.2	N18B.3	O18B.4	O18C.1	N18C.2	O18D.1	N18D.2	O18E.1
N18E.2	J18E.3	O19A.1	N19A.2	O19B.1	N19B.2	O19E.1	N19E.2
O19F.1	N19F.2	O19G.1	N19G.2	O20A.1	N20A.2	O20E.1	O21A.1
N21A.2	O21D.1	O24A.1	N24A.2	O25.1	I25.2	N25.3	J25.4
O26A.1	N26A.2	O26B.1	N26B.2	O26C.1	N26C.2	O27A.1	N27A.2

Entries in the sections below are to be set up ready for judging by 5pm Thursday 21st March 2024. Please show number of entries in each of these sections below. A maximum of 2 entries per person per section is allowed.

O5A.1	O5A.2	N5A.3	J5A.4	O5B.1	N5B.2	O5C.1
N5C.2	O5D.1	N5D.2	O5E.1	N5E.2	O7A.1	N7A.2
O7B.1	N7B.2	O13.1	N13.2	O14.1	N14.2	O16.1
N16.2	J16.3	O17.1	N17.2	J17.3	O28A.1	N28A.2
O32A.1	N32A.2	O32A.3	N32A.4	J32A.5	O32B.1	N32B.2
J32B.3	O34A.1	N34A.2	J34A.3	O34A.4	N34A.5	O34B.1
N34B.2	J34B.3	O34B.4	N34B.5	J34B.6		

Showcase Dimensions – Please note only 1 entry per person, per section is allowed.

O29B.1	N29B.2	O29B.3	N29B.4	O37B.1
W	W	W	W	W
D	D	D	D	D
H	H	H	H	H



REGISTRATION FORM

GEMBOREE 2024– WILLUNGA S.A.

Mail to: Campsite Coordinator GEMBOREE SA - P.O. Box 5074 Alberton S.A. 5074

Registration covers from 2pm Wed 27th March to 10am Tuesday 2nd April 2024.

No refunds for cancellations after 1st March, 2024. **Limited Powered sites available.** Power is restricted to medical equipment, lights & fridges ONLY.

No Generators please. Ensure water tanks are full on arrival and be aware that some sites will require longer leads. Remember all electrical leads must have current testing tags. Pets must be on lead at all times and are not permitted in the hall. All grey water must be contained. A Dump point is available at the McLaren Vale and Fleurieu Coast Visitor Centre (8km from Willunga).

GEMBOREE site Entry will be from Railway Terrace.

Surname: Given Names:

Address:

State: Postcode: Tel No: Mobile:.....

Email: Club:

CAMPSITE ACCOMMODATION Close to toilets Yes / no Disability permit yes / no

Caravanm xm	Annexm xm
Camper/van/mobile homem xm	Annexm xm
Tentm xm	Annexm xm

On Site Fees: for 2 adults and up to 4 school age children

Powered Site	\$200.00	\$..... (30m power lead required)
Unpowered Site	\$150.00	\$.....
Tent unpowered	\$100	\$.....
Extra Vehicle	\$5.00	\$.....
Extra Adults	No.....@ \$25.00	\$.....

Special requests

Off-Site Fees: Pre Paid GEMBOREE PASS Per person for the duration of the GEMBOREE

Adults	No.....@ \$30.00	\$.....
--------	------------------	---------

Children under 14 FREE (Accompanied by a paying Adult)

TOTAL ENCLOSED

\$.....

Cheques payable to GMCASA GEMBOREE

Direct Credit to BSB 105 116 ACCT: 072298440

Ensure clear identification

Please enclose a stamped self-addressed envelope for return of receipt and site information.

ENTRY FEES PER DAY Adult \$10.00 - Family \$30.00

(payable at the gate)



At the the 60th GEMBOREE®, held at Willunga South Australia in 2024, you will have an opportunity to view the work of the top faceters from around the world who competed in the 20th 'International Faceting Challenge' conducted and sponsored by the Australian Facetors' Guild.

The International Faceting Challenge has been very well received by Australian and overseas faceters, and is recognised as the Olympics of faceting.

The Australian Facetors' Guild began in Warwick, Queensland in 1981 and is Australia's largest single lapidary organisation. It promotes the art of faceting and related activities throughout Australia and has achieved world-wide recognition.

The International Faceting Challenge began in September 1984 when three Australian Facetors' Guild members conceived the idea of challenging the faceters of the USA to a faceting competition. The first Challenge was launched that same year. The inaugural challenge was finalised at the GEMBOREE® at Loxton, South Australia in 1986 and won by the USA team. Since then a new challenge has been conducted every two years, with the results published and stones displayed at the GEMBOREE® on each occasion.

Five entrants from each country or region who obtain the highest points for their entries constitute the team for their country or region competing for **The Challenge Cup**.

The Challenge Cup is a perpetual trophy mounted on a polished mahogany base. The plates fixed to the wooden base are engraved with the names of all faceters in the winning and runner-up teams since the competition began.

The competitor with the highest points is awarded the **Individual Champion Facetor Shield**.

The Champion Facetor Shield is engraved with the name of the Individual Champion with the highest aggregate score.

Peter Krake representing Australia in the 2022 International Faceting Challenge joined 20

other factors who have achieved perfect scores since the first Challenge in 1986. In 2022 Peter was placed first in the Competition with a score of 298.00 points. He entered three stones, two stones scored 100 points each and the third scored 98.22 points out of a possible 100 an outstanding achievement.

Full details of the International Faceting Challenge are available from the Australian Facetors Guild Website: www.facetorsguild.com.au



IFC Challenge Cup



Individual Champion Facetor

International 100 Point Club!

1988	Frank Dickson (Aust),	Vic Kostic (Aust)	David Moore (USA)
1990	Norm Coates (Aust)		
1994	Des Stennett (Aust)		
1996	Ralph Mathewson (USA)		
1998	Ralph Mathewson (USA)	Ewing Evans (USA)	
2000	Des Stennett (Aust)		
2002	Des Stennett (Aust)		
2006	Des Stennett (Aust)	Walt Haller (Aust)	
2008	Ewing Evans (USA)		
2010	John Rose (Aust)	James Clarke (USA)	
2012	Tomohiro Karino (USA)	Victor Tuzlukov (Russia)	Felix Kirchhofer (Switzerland)
2020	Ray Maunder (Aust)	James Clarke (USA)	Jack Freeman (USA)
	Liao Man Ling (Taiwan)	Mai Kai Chi (Taiwan)	Xaio Yi Hong (Taiwan)
2022	Peter Krake (Aust)	John Lee (USA)	Frank Woodward (Aust)
	James Clarke (USA)		

Full details of the International Faceting Challenge are available from the Australian Facetors Guild Website: www.facetorsguild.com.au

I discovered the art of gem cutting and fell in love with it.

As a lapidarist, I am grateful to have learned about the GAA.

The course taught me a lot about gemmology I would not have learnt on my own, and it contained some hands-on experience and some theory, both equally important.

It brought me a network of people to interact with forever, both in Australia and internationally. GAA name upholds a good reputation worldwide for producing great gemmologists.

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 - Pewter Laps
- Lap re-surfacing
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- 12 Volt upgrades and or repair to most Faceting Machines
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- Custom made transfer jigs
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Web: www.vjfacet.com.au
Facebook: [VJ Faceting Machines](https://www.facebook.com/VJFacetingMachines)

MINERAL BOXES AND FLATS FOR SALE

Mineral boxes

AAA	3.1cm x 3.2cm
AA	3.5cm x 3.3cm
A	4cm x 4cm
B	5cm x 5.2cm
C	6.2cm x 7.5cm
D	7cm x 7cm
E	7cm x 9.5cm
F	8.5cm x 9.5cm
G	9.5cm x 9.5cm
H	13cm x 9.5cm
I	13cm x 12.5cm

Mineral boxes sold in packs of
10 or 100

All flats and mineral boxes fold
together, no staples required

Greg Vort-Ronald
0413796279

Flats

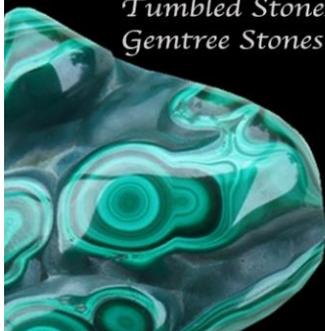
395 x 265 x 50mm (lid & base)
400 x 270 x 75mm (lid & base)
398 x 290 x 98mm (lid & base)

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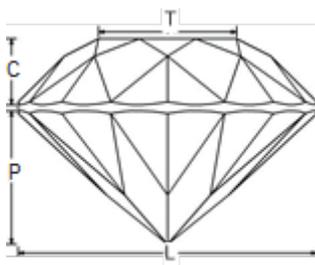
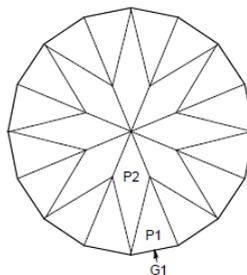
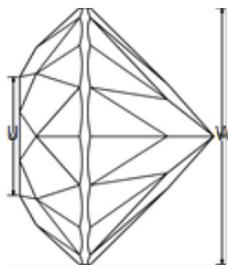
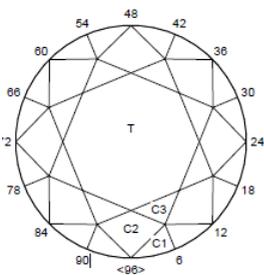
Halite (Salt Crystal) Ram skull found in South Australia

Standard Round Brilliant with Continuous Girdle

Section O 8A.1 Coloured Cubic Zirconia

Section I 8A.2 Coloured Cubic Zirconia

Section N 8A.3 Coloured Cubic Zirconia



Meets 41 (Crown - 24, Pavillion - 17)

Angles for R.I. = 2.160

57 + rolled girdle

8-fold, mirror-image symmetry

96 index

$L/W = 1.000$ $T/W = 0.593$ $U/W = 0.593$

$P/W = 0.461$ $C/W = 0.164$

$Vol. / W^3 = 0.225$

Gemcad work by Carol van der Pennen, for GEMBOREE 2024

N.B. Facet drawings are for illustration purposes only and not necessarily to scale. The length to width ratios for specified sizes may not necessarily align.

PAVILION

P1	45.00°	03-09-15-21-27-33-39-45 51-57-63-69-75-81-87-93	Cut to TCP
G1	90.00°		Cut to size, "rolled girdle"
P2	43.00°	96-12-24-36-48-60-72-84	Cut to Girdle

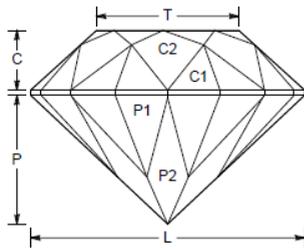
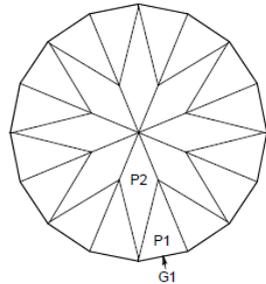
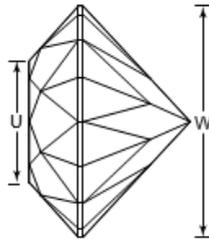
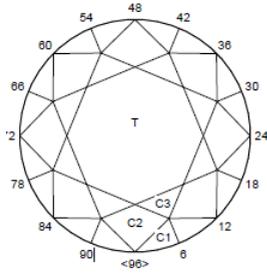
CROWN

C1	44.00°	03-09-15-21-27-33-39-45 51-57-63-69-75-81-87-93	Set girdle thickness
C2	37.00°	96-12-24-36-48-60-72-84	Cut to Girdle
C3	22.00°	06-18-30-42-54-66-78-90	Cut to meet C1, C2
T	0.00°	Table	Cut to meet C2, C3

Standard Brilliant with Faceted Girdle

Section O 8B.1 Australian Amethyst
 Section I 8B.2 Australian Amethyst
 Section N 8B.3 Australian Amethyst

Specified Size: 8 mm
 Specified Size: 7 mm



Meets 57 (Crown - 32, Pavillion - 25)

Angles for R.I. = 1.540
 57 + 16 girdles = 73 facets
 8-fold, radial symmetry
 96 index
 $L/W = 1.000$ $T/W = 0.519$ $U/W = 0.519$
 $P/W = 0.467$ $C/W = 0.216$
 $Vol. /W^3 = 0.240$

Gemcad work by Carol van der Pennen, for GEMBOREE 2024

N.B. Facet drawings are for illustration purposes only and not necessarily to scale. The length to width ratios for specified sizes may not necessarily align

PAVILION

P1	45.00°	03-09-15-21-27-33-39-45 51-57-63-69-75-81-87-93	Cut to TCP
G1	90.00°	03-09-15-21-27-33-39-45 51-57-63-69-75-81-87-93	Set Size
P2	43.00°	96-12-24-36-48-60-72-84	Cut to Girdle

CROWN

C1	47.00°	03-09-15-21-27-33-39-45 51-57-63-69-75-81-87-93	Cut to establish girdle
C2	42.00°	96-12-24-36-48-60-72-84	Cut to Girdle
C3	27.00°	05-17-29-41-53-65-77-89	Meet C1, C2
T	0.00°	Table	Meet C2, C3

Standard oblong step cut with cut corners

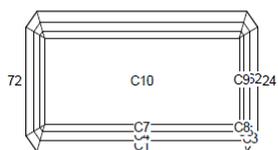
Section O 9A.1 Australian Citrine Specified Size: 12 mm x 14 mm

Section I 9A.2 Australian Citrine Specified Size: 11 mm x 13 mm

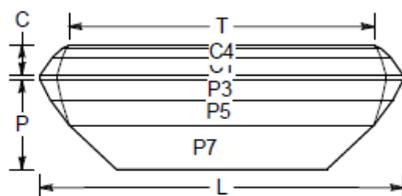
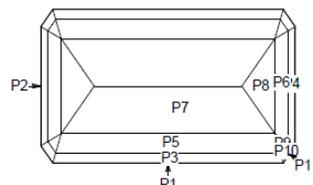
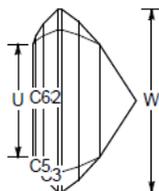
Section N 9A.3 Coloured Quartz

Section J 9A.4 Coloured Quartz

60 48 36



84 <96> 12



Meets 44 (Crown – 24, Pavillion - 20)

Angles for R.I. = 1.540

45 + 8 girdles = 53 facets

2-fold, mirror-image symmetry

96 index

$L/W = 1.666$ $T/W = 1.400$ $U/W = 0.620$

$P/W = 0.408$ $C/W = 0.136$

$Vol. /W^3 = 0.561$

Gemcad work by Carol van der Pennen, for GEMBOREE 2024

N.B. Facet drawings are for illustration purposes only and not necessarily to scale. The length to width ratios for specified sizes may not necessarily align

PAVILION

P1	90.00°	96-48	Set width
P2	90.00°	24-72	Set length
P3	53.92°	96-48	Cut to approx 75% of the height of the stone
P4	63.00°	24-72	Meet at P1, Girdle
P5	42.86°	96-48	Cut to diagram
P6	53.00°	24-72	Cut to meet P3
P7	33.11°	96-48	Cut to diagram, P3 should be 2x P1 wide
P8	43.00°	24-72	Cut to meet P5
P9	48.87°	14.7-33.3-62.7-81.3	Cut to meet P5, P6
P10	59.44°	14.7-33.3-62.7-81.3	Cut to meet P1, P3, P4, P2
P11	90.00°	14.7-33.3-62.7-81.3	Cut to level girdle

CROWN

C1	44.96°	96-48	Set girdle width
C2	55.00°	24-72	Level girdle
C3	50.94°	14.7-33.3-62.7-81.3	Level girdle
C4	32.20°	96-48	Cut to diagram
C5	37.84°	14.7-33.3-62.7-81.3	Meet C1, C3, C4
C6	42.00°	24-72	Cut to meet C2, C3, C5
C7	18.83°	96-48	Cut to diagram
C8	22.82°	14.7-33.3-62.7-81.3	Meet C4, C5, C7
C9	26.00°	24-72	Meet C5, C6, C8
C10	0.00°	Table	Cut to diagram

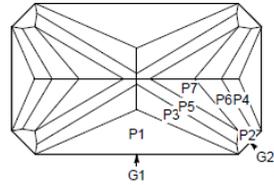
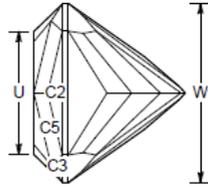
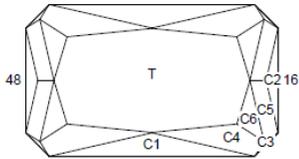
The Meridian Cut

Attributed to the late Jack Bushby
Section O 10.1 Colourless Topaz

40

32

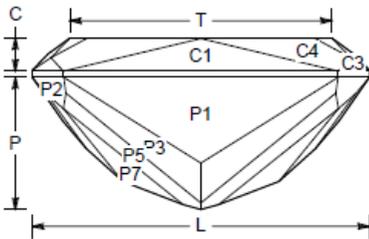
24



56

<64>

8



Meets 55 (Crown – 22, Pavillion - 33)

Angles for R.I. = 1.610

49 + 8 girdles = 57 facets

2-fold, mirror image symmetry

64 index

$L/W = 1.666$ $T/W = 1.296$ $U/W = 0.685$

$P/W = 0.651$ $C/W = 0.162$

$Vol. /W^3 = 0.662$

Gemcad work by Carol van der Pennen, for GEMBOREE 2024

PAVILION

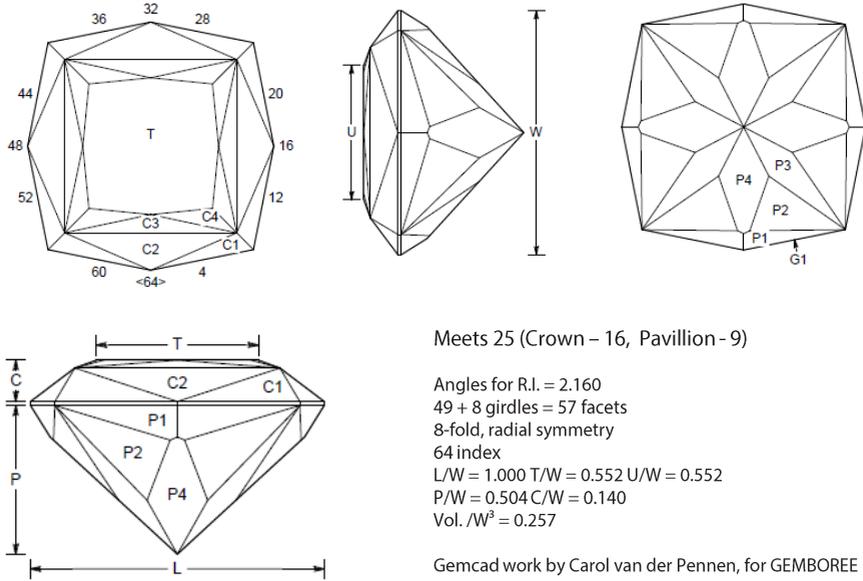
G1	90.00°	64-32
G2	90.00°	08-16-24-40-48-56
P1	55.00°	64-32
P2	55.00°	08-16-24-40-48-56
P3	49.50°	01-31-33-63
P4	49.50°	15-17-47-49
P5	43.25°	03-29-35-61
P6	43.25°	13-19-45-51
P7	39.00°	05-27-37-59

CROWN

C1	45.84°	64-32
C2	46.00°	16-48
C3	68.42°	08-16-24-40-48-56
C4	36.00°	01-31-33-63
C5	36.62°	15-17-47-49
C6	25.32°	13-19-45-51
T	00.00°	Table

JB Cross

The late Jack Bushby
Section N 10.3 Colourless Man-made Cubic Zirconia



Meets 25 (Crown - 16, Pavillion - 9)

Angles for R.I. = 2.160
49 + 8 girdles = 57 facets
8-fold, radial symmetry
64 index
 $L/W = 1.000$ $T/W = 0.552$ $U/W = 0.552$
 $P/W = 0.504$ $C/W = 0.140$
 $Vol. /W^3 = 0.257$

Gemcad work by Carol van der Pennen, for GEMBOREE 2024

PAVILION

G1	90.00°	02-14-18-30-34-46-50-62
P1	58.50°	02-14-18-30-34-46-50-62
P2	47.00°	03-13-19-29-35-45-51-61
P3	40.50°	08-24-40-56
P4	42.50°	64-16-32-48

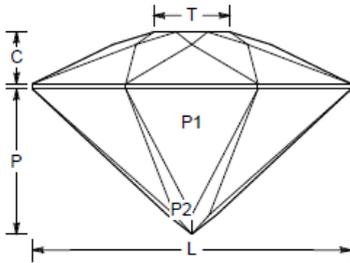
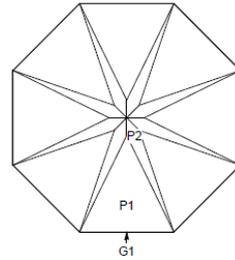
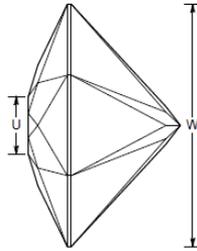
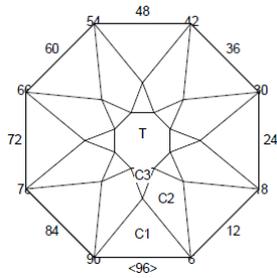
Size Stone
Establish girdle to about 75% of stone depth
Meet at Girdle
Meet at Girdle
Meet at PCP. Cut to diagram

CROWN

C1	55.00°	02-14-18-30-34-46-50-62	Establish Girdle
C2	37.00°	64-16-32-48	Meet at Girdle
C3	20.00°	64-16-32-48	Cut to meet C1, C2
C4	14.00°	01-15-17-31-33-47-49-63	Cut to meet C1, C2, C3
T	00.00°	Table	Cut to meet C3, C4

Topaz Twinkler-96

Bob Kay
Section J 10.4 Colourless Topaz



Meets 41 (Crown – 24, Pavillion - 17)

Angles for R.I. = 1.610

41 + 8 girdles = 49 facets

8-fold, radial symmetry

96 index

$L/W = 1.000$ $T/W = 0.239$ $U/W = 0.239$

$P/W = 0.454$ $C/W = 0.162$

$Vol. /W^3 = 0.204$

Gemcad work by Carol van der Pennen, for GEMBOREE 2024

PAVILION

P1	43.00°	96-12-24-36-48-60-72-84
G1	90.00°	96-12-24-36-48-60-72-84
P2	40.00°	06-18-30-42-54-66-78-90

Cut to TCP

Set size

Cut to meet girdle and form PCP

CROWN

C1	26.00°	96-12-24-36-48-60-72-84
C2	21.50°	06-18-30-42-54-66-78-90
C3	17.00°	96-12-24-36-48-60-72-84
T	00.00°	Table

Cut to level girdle

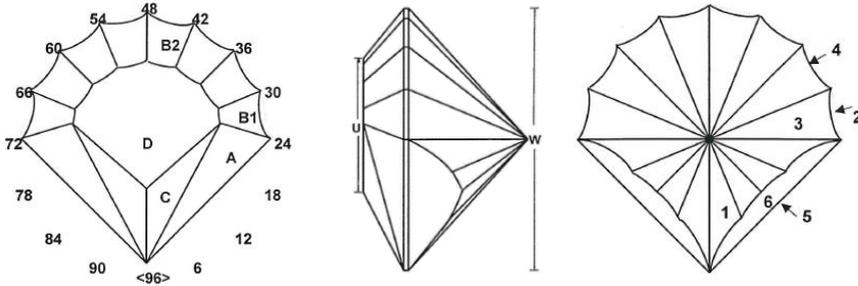
Meet at Girdle

Meet at C1

Meet C2, C3

Montezuma Concava – Concave Cut

Modified by Paul Sabolta 2018 for Concave
 From an original design by Arya Akhavan 2013
 Section O 10.5 Blue Man-made Cubic Zirconia



Meets 37 (Crown – 20, Pavillion - 17)

Angles for R.I. = 2.160

31 + 10 girdles = 41 facets

1-fold, mirror-image symmetry

96 index

L/W = 1.000 T/W = 0.599 U/W = 0.513

P/W = 0.457 C/W = 0.155

Vol. /W³ = 0.180

Gemcad work by Carol van der Pennen, for GEMBOREE 2024

PAVILION

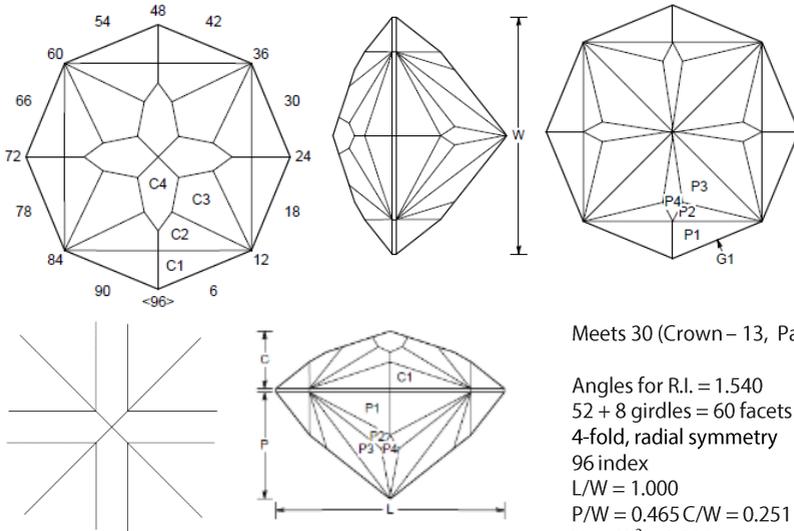
1	43.00°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Preform, Cut to TCP (Flat Facets)
2	90.00°	27-33-39-45-51-57-63-69	Preform, Set stone size (8 Flat Facets) Minimum 10mm
3	43.00°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Concave (16 Concave Facets) Form PCP (Mandrel size, cutters choice to achieve meetpoints)
4	90.00°	27-33-39-45-51-57-63-69	Concave (8 Concave Facets) Form PCP (Mandrel size, cutters choice to achieve meetpoints)
5	90.00°	12-84	Meet 3,4
6	70.00°	12-84	Level girdle

CROWN

A	40.00°	12-84	Set girdle thickness to suit
B1	40.00°	27-33-39-45-51-57-63-69	Level girdle (8 Flat Facets)
B2	40.00°	27-33-39-45-51-57-63-69	Concave (8 Concave Facets) (Mandrel size, cutters choice to achieve meetpoints)
C	34.67°	11-85	Meet A, 3
D	00.00°	Table	Meet A, C, B2

English Rose

Maurice Jones, Salisbury East, SA
Section O 11.1 Colourless Quartz



Meets 30 (Crown – 13, Pavillion - 17)

Angles for R.I. = 1.540
52 + 8 girdles = 60 facets
4-fold, radial symmetry
96 index
L/W = 1.000
P/W = 0.465 C/W = 0.251
Vol. /W³ = 0.214

Note: Facets on 43.00° do not meet at culet, as shown above.

Gemcad work by Carol van der Pennen, for GEMBOREE 2024

PAVILION

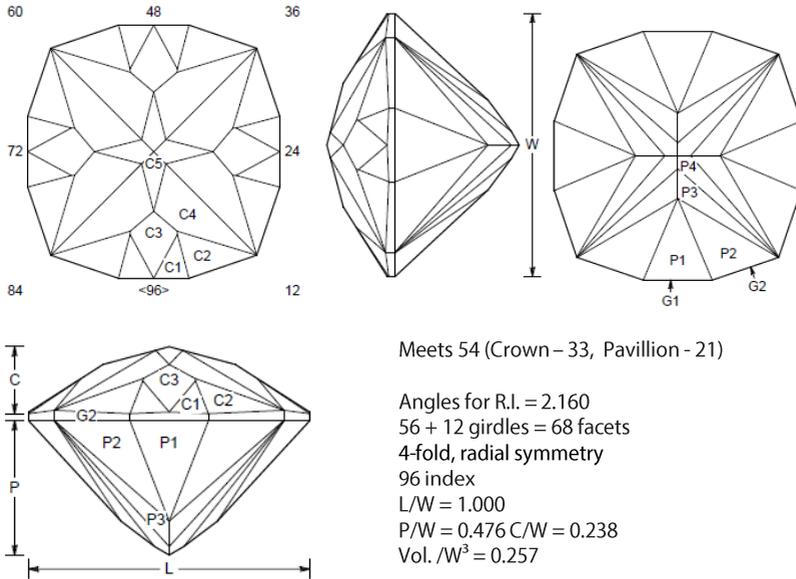
P1	54.00°	06-18-30-42-54-66-78-90	Cut to TCP
G1	90.00°	06-18-30-42-54-66-78-90	Set size, level girdle
P2	50.00°	07-17-31-41-55-65-79-89	Meet P1, Girdle
P3	43.00°	11-13-35-37-59-61-83-85	Meet P1, P2, G
P4	38.40°	96-24-48-72	Meet P1

CROWN

C1	40.80°	06-18-30-42-54-66-78-90	Cut to establish girdle
C2	33.40°	08-16-32-40-56-64-80-88	Cut to meet Girdle
C3	30.00°	12-36-60-84	Cut to meet C1, C2 at Girdle
C4	18.20°	96-24-48-72	Cut to 50% of width of stone

Vesper

Maurice Jones, Salisbury East, SA Section
I 11.2 Colourless Man-made Cubic Zirconia



Meets 54 (Crown – 33, Pavillion - 21)

Angles for R.I. = 2.160
56 + 12 girdles = 68 facets
4-fold, radial symmetry
96 index
L/W = 1.000
P/W = 0.476 C/W = 0.238
Vol. /W³ = 0.257

Gemcad work by Carol van der Pennen, for GEMBOREE 2024

PAVILION

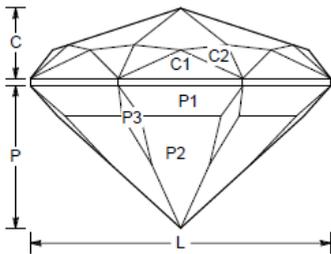
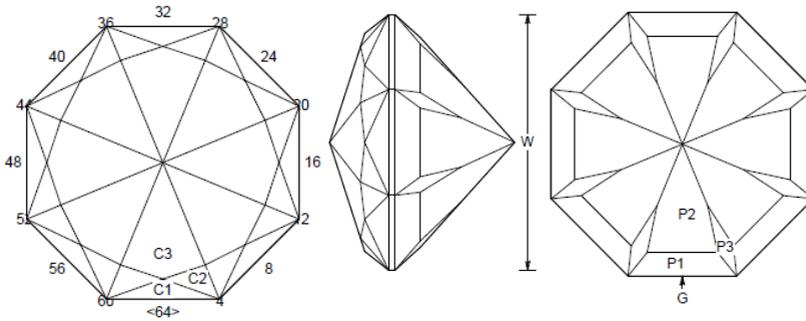
G1	90.00°	96-24-48-72	Set size
G2	90.00°	05-19-29-43-53-67-77-91	Cut as per diagram
P1	47.30°	96-24-48-72	Cut to TCP
P2	45.00°	05-19-29-43-53-67-77-91	Meet P1, Girdle
P3	41.00°	08-16-32-40-56-64-80-88	Meet Girdle
P4	39.50°	12-36-60-84	Meet G, P3. Form PCP

CROWN

C1	33.50°	01-23-25-47-49-71-73-95	Establish Girdle
C2	33.00°	04-20-28-44-52-68-76-92	Establish Girdle
C3	32.50°	96-24-48-72	Meet Girdle
C4	22.82°	10-14-34-38-58-62-82-86	Meet Girdle
C5	15.00°	96-24-48-72	Meet C3

Petunia

The Late Jack Bushby
Section N 11.3 Coloured Man-made Cubic Zirconia



Meets 34 (Crown – 25, Pavillion - 9)

Angles for R.I. = 2.160

56 + 8 girdles = 64 facets

8-fold, radial symmetry

96 index

$L/W = 1.166$ $T/W = 0.519$ $U/W = 0.620$

$P/W = 0.583$ $C/W = 0.194$

$Vol. /W^3 = 1.147$

Gemcad work by Carol van der Pennen, for GEMBOREE 2024

PAVILION

P1	48.00°	64-08-16-24-32-40-48-56	Cut to TCP
G	90.00°	64-08-16-24-32-40-48-56	Set size
P2	42.17°	64-08-16-24-32-40-48-56	Cut to leave P1 approx 1/3 original
P3	42.00°	04-12-20-28-36-44-52-60	Cut to meet P1, Girdle

CROWN

C1	52.00°	64-08-16-24-32-40-48-56	Cut to establish girdle
C2	39.90°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62	Cut to meet Girdle
C3	18.00°	64-08-16-24-32-40-48-56	Cut to meet C1, C2

Perpetual Trophies

If tied the entrant with the highest scoring entry will be the winner.

PT01 Tom Jenkins

OPEN CHAMPION LAPIDARY

Donor: Victorian Gem Clubs Association

Highest aggregate score of entrant's best entry in each of the following 5 Sections.

- O 1A.1 Standard Cabochon
- O 1B.1 Fancy Cabochon
- O 2B.1 Double Fancy Cabochon
- O 4A.1 Opal Doublet
- O 8B.1 Standard Round Brilliant Faceted Girdle

PT02 Harold Evans

INTERMEDIATE CHAMPION LAPIDARY

Donor: Victorian Gem Club Association

Highest aggregate score of entrant's best entries from three of the following Intermediate Sections.

- I 1A.2 Standard Cabochon
- I 1B.2 Fancy Cabochon
- I 11.2 Vesper
- I 25.2 Commercial Mount Jewellery with Lapidary item Cut/set by entrant

PT03 Norm Patison

NOVICE CHAMPION LAPIDARY

Donor: AFLACA Trophy Fund

Entrant with the highest aggregate score of entrant's best entry in any FOUR of the following Novice sections.

- N 1A.3 Standard Cabochon
- N 1B.3 Fancy Cabochon
- N 2A.3 Double Standard Cabochon
- N 8A.3 Standard Round Brilliant Continuous Girdle
- N 25.3 Commercial Mount Jewellery with Lapidary item's cut/set by entrant

PT04 Ray Powel

CHAMPION CLUB

Donor: Gem & Lapidary Council of NSW Inc.

Awarded to the Club with the highest aggregate member's points.

20 points for the highest score entry in each section

15 points for 2nd highest scoring entry in each section

10 points for 3rd highest scoring entry in each section

5 points for 4th highest scoring entry in each section

Annual Trophies

If tied the entrant with the highest scoring entry will be the winner.

AT-01 Dorothy Caladine

JUNIOR CHAMPION LAPIDARY

Donor: Mrs Rhonda Sabella

Entrant with the highest aggregate score of their best entry in any three of the following five Junior sections.

(if tied the entrant with the highest scoring entry will be the winner).

- J 1A.4 Standard Cabochon
- J 1B.4 Fancy Cabochon
- J 3.4 Free Form Any Material not opal
- J 3.8 Free Form Solid Opal
- J 25.4 Commercial Mount Jewellery with Lapidary item cut & set by entrant

AT-02 Open-Hand Fabricated Jewellery with No Lapidary Items

Donor: Far Out Crystals Gem & Minerals

Entrant with the highest scoring entry in the following section

- O 18A.1 Hand Fabricated Jewellery, not intended to include lapidary, fossil or mineral items.

AT-03 Dorothy Caladine – Junior Carving

Donor: Mrs Rhonda Sabella

Entrant with the highest scoring entry in the following section

- J 5.A.4 Fully 3 - Dimensional (must be a known form)

AT-04 The Crystal Habit Trophy Best Mineral of the Show

Donor: Peter Beckwith

Donor selects the winning entry from all Minerals on display, whether in the competition or not. Display specimens belonging to Dealers or Institutions are not eligible for this award.

AT-05 Val Annear

OPEN ENAMELLING NON-JEWELLERY

Donor: Victorian Gem Clubs Association Inc

Entrant with the highest scoring entry in the following section

- O. 26C.1 Enamelled Non - Jewellery Functional

AT-06 John S. Ryding

OPEN HAND MADE JEWELLERY WITH NATURAL FOSSIL OR MINERAL SPECIMEN

Donor: AFLACA Trophy Fund

Entrant with the highest scoring entry in the following section

- O. 18C.1 Hand Fabricated Jewellery with natural Mineral/fossil specimen set by entrant.

AT-07 Harry Miller

OPEN STANDARD CABOCHON

Donor: AFLACA Trophy Fund

Entrant with the highest scoring entry in the following section

- O 1A.5 Standard Cabochon

AT-08 Earth Stones

BEST FOSSIL OF THE SHOW

Donor: Mr J Mommers

Donor selects the winning entry from all Fossils on display, whether in the competition or not. Display specimens belonging to Dealers or Institutions are not eligible for this award.

AT-09 George Lude

OPEN 3 AUSTRALIAN CRYSTAL CLUSTERS

Donor: Queensland Lapidary & Allied Craft Clubs Association

Entrant with the highest scoring entry in the following section

- O 34B.4 Group of 3 Australian Thumbnail Crystal Clusters - Different Location

AT-10 Alex Amess

OPEN FACET CUT

Donor: Victorian Gem Clubs Association Inc.

Entrant with the highest scoring entry in the following section

O 10.1 The Meridian Cut

AT-11 A & E Metal Merchants

OPEN HANDMADE JEWELLERY WITH LAPIDARY ITEM

Donor: A & E Metal Merchants

Entrant with the highest scoring entry in the following section

O. 18B1 Hand fabricated jewellery with lapidary item cut and set by entrant

AT-12 Jim Johnson

NOVICE CHAMPION MINERAL ENTRANT

Donor: GMCASA via AFLACA Trophy Fund

Entrant with the highest aggregate of Entrant's best entry in any THREE NOVICE Mineral Sections including Showcase.

N 34A.2 Single Australian Specimen

N 34A.5 Crystal cluster any location

N 34B.2 Group of 3 Australian Crystal – Metallic

N 34B.6 Group of 2 thumbnail specimens –any location

AT-13 Broken Hill Centenary

OPEN CHAMPION MINERAL ENTRANT

Donor: Arthur Roffey

Entrant with highest aggregate score of their best entry in each of the following open sections

O 34A.1 Single Australian crystal faceting quality

O 34A.4 Any Australian crystal cluster

O 34B.1 Group of 3 Australian crystal clusters – Sulfides

O34B.4 Group of 3 Australian thumbnail crystal clusters

AT-14 Ted Koller

OPEN SOLID OPAL CUT

Donor: Victorian Gem Clubs Association Inc.

Entrant with the highest scoring entry in the following section

O 3.5 Free Form Solid Opal

AT-15 Dazlyn Gems

JUNIOR STANDARD CABOCHON

Donor: Mr Darren Arthur, Dazlyn Gems

Entrant with the highest scoring entry in the following section

J 1A.4 Standard Cabochon any material

AT-16 Peter Collins

OPEN CHAMPION FACETOR

Donor: Australian Facetors' Guild Limited

Entrant with highest aggregate score of their best entry in the following Open Faceting sections

O 8A.1 Standard Round Brilliant Continuous Girdle

O 10.1 The Meridian Cut

O 11.1 English Rose

AT-17 Arthur Roffey

OPEN SHOWCASE GENERAL LIT

Donor: Arthur Roffey

Entrant with the highest scoring entry in the following section

O 29B.1 General lit

AT-18 Boris Novic

OPEN DOUBLE STANDARD CABOCHON

Donor: Gem & Lapidary Council of NSW Inc.

Entrant with the highest scoring entry in the following section

O 2A.1 Double Standard Cabochon

AT-19 Patrick C Murphy

JUNIOR CHAMPION MINERAL ENTRANT

Donor: Arthur Roffey

Junior entrant's highest score in any of the Mineral Sections, irrespective of Division including Showcase.

AT-20 Cyril Kovac

OPEN MINERAL SHOWCASE DISPLAY
LIT

Donor: Pat Kovac

Entrant with the highest scoring entry in the following section

O 37B.1 Mineral Showcase Display Lit

AT-21 Brian Bown Open Standard Cabochon Craftsmanship

Donor: Mr Brian Bown

Entrant with the highest scoring entry in the following section

O 1A.1 Standard Cabochon

AT-22 Jack Bushby Novice Champion Facetor

Donor: Southern Rockhounds Inc. South Australia

Entrant with highest aggregate score of their best entry in any three of the following Novice Faceting sections.

N.8A. Standard Round Brilliant Continuous Girdle

N.8B.3 Standard Round Brilliant Faceted Girdle

N 9A.3 Standard Oblong Stepcut with Cut Corners

N 10.3 JBCROSS

N 11.3 Petunia

AT-23 Dick Moppett

OPEN STANDARD FACET CUTS

Donor: Gem & Lapidary Council of NSW Inc.

Entrant with highest aggregate score of their best entry in the following Open Faceting sections.

O 8A.1 Standard Round Brilliant Continuous Girdle

O 9A.1 Standard Oblong Stepcut with cut corners

AT-24 Chas Totterdell

OPEN HAND MADE JEWELLERY WITH OPAL

Donor: Gem & Lapidary Council of NSW Inc.

Entrant with the highest scoring entry in the following section

O 18B.2 Hand fabricated jewellery with lapidary item Opals cut and set by entrant

AT-25 The Lapidary & Gem Clubs of Victoria – OPEN CARVING

Donor: Victorian Gem Clubs Association Inc.

Entrant with the highest scoring entry in the following section

O 5A.1 Fully 3 – Dimensional. Hardness 5 or under

AT-26 Gold Coast School of Wirecraft NOVICE WIRE WRAPPED JEWELLERY

Donor: Mr Paul Howard

Entrant with the highest scoring entry in the following section

N 18E.2 Wire wrapped jewellery with lapidary item cut and set by entrant

AT-27 The Tony Annear OAM Memorial Trophy

Donor: AFLACA Trophy Fund

Entrant with the highest aggregate score of their best entry in each of the following sections.

- Group 1 Cabochon Section 1B
Fancy Cabochon
- Group 3 Free Form Section 3.1
Free Form
- Group 5 Carving Section 5B
Carving in relief
- Group 8 Faceting Section 10
- Group 8 Faceting Section 11
- Group 12 Tumbled Stones
Section 12.A
- Group 13 Polished Flat Face Section
13
- Group 17 Novelty Gemcraft Section 17
- Group 18 Hand Fabricated Jewellery
Section 18B
- Group 34 Minerals Non Display
Section 3

AT-28 Queensland Gem Clubs Association

CAST JEWELLERY

Donor: Queensland Gem Clubs Association Inc.

Entrant with the highest individual scoring entry in any of the following cast jewellery groups.

- Group 19 Cast Jewellery using patterns, moulds and dies made by entrant
- Group 20 Cast Jewellery Using natural objects as patterns
- Group 21 Cast Jewellery using commercial wax models

AT-29 Champion Intermediate Facetor

Donor is the Australian Facetors Guild

For the highest aggregate score of entrants best entry in any three intermediate faceting sections as specified in the schedule.

- I 8A.2 Standard Round Brilliant Continuous Girdle
- I 8B.2 Standard Round Brilliant Faceted Girdle
- I 9A.2 Standard Oblong Stepcut with cut corners
- I 10.2 Centralian Star
- I 11.2 Vesper

Special Trophies

ST03 Best Presented Trade Stand

Commercial Dealer whose stand is judged “best presented” by the Donor or a person appointed by the GEMBOREE committee.

Donor: Shepparton & District Gem Club Inc.

ST04 International Faceting Challenge

staged two yearly by AFG

Donor: Australian Facetors’ Guild



THANK YOU

**GMCASA and the GEMBOREE 2024 COMMITTEE sincerely thanks the
The community of Willunga and the Willunga Recreation Park for their support
in staging the Willunga GEMBOREE.**

Our thanks to all who have supported GEMBOREE 2024.

Thanks to:

- Department of the Premier and Cabinet,
- City of Onkaparinga.
- South Australian Museum
- McLaren Vale and Fleurieu Visitor Information Centre.

Special thanks to:

Chris Tillet for donating a 20mm slab of polished black granite from the Black Hill quarry in the Adelaide Hills and 23ct gold leaf to make the 2024 GEMBOREE trophies.

Sam Witheridge for handcrafting the 2024 GEMBOREE trophies.

Our sincere thanks to all Volunteers who helped with this GEMBOREE.



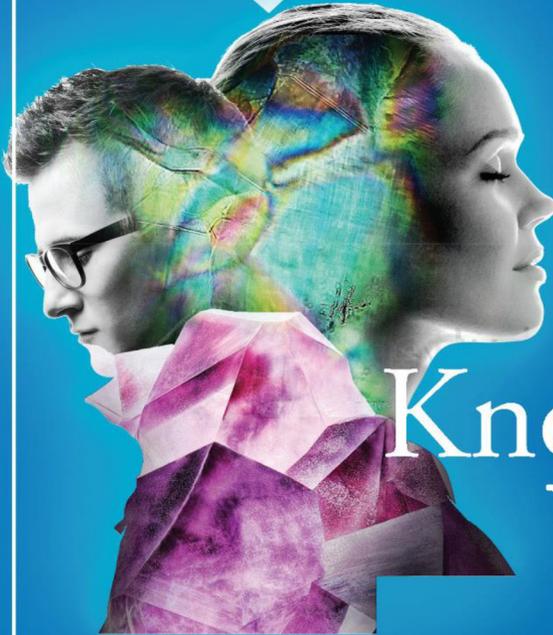
Quartz crystal cluster from Ashton Quarry located in the Adelaide Hills is 134mm x 80mm x 63mm and also has a tabular Faden quartz crystal which makes this specimen unique.





GAA

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