

HOWARD & SONS PYROTECHNICS

IMAGINEERS, PRODUCERS AND PROVIDERS
OF SPECTACULAR FIREWORKS AND SPECIAL EFFECTS.



GRAND
SPECTACULARS



COMMUNITY
EVENTS &
FESTIVALS



SPORTING
EVENTS



SPECIAL EVENTS
& PRODUCT
LAUNCHES



CONCERTS, TOURS
& ENTERTAINMENT
PRODUCTIONS



MULTIMEDIA
PRODUCTIONS



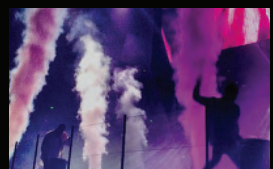
CLOSE PROXIMITY
PYROTECHNICS



FIRE EFFECTS



CO2 EFFECTS



FLUTTER FETTI,
CONFETTI &
STREAMERS



WEDDINGS



FUNERALS



INNOVATIVE - IMPRESSIVE - IMAGINATIVE



FROM THE FIRST SPARK

Imagineers, producers and providers of spectacular fireworks and special effects: Howard & Sons Pyrotechnics has the creative vision, expertise and passion to design and implement innovative pyrotechnic concepts for your event, no matter what the scale.

Founded in 1922, our world-renowned fireworks company is now in its **fourth generation of family management**. Our state-of-the-art manufacturing plant was established in Sydney's western suburbs in the 1960s, and continues to produce the highest quality fireworks in the world.

Some of **our notable achievements** include spectaculars for celebrating the 1970 bicentenary of Captain Cook landing in Australia, the opening of the Sydney Opera House in 1973, the 1988 celebration of Australia's Bicentennial, and the dazzling Melbourne and Delhi Commonwealth Games Opening & Closing Ceremonies.

Howard & Sons is also a supplier to Disneyland and Disneyworld in the US, the largest daily users of the fireworks in the world.

Our extensive experience in the **design, manufacture and presentation of pyrotechnics**, coupled with the committed development and utilisation of computerised firing systems that integrate multimedia visuals and sound effects, enables us to produce unique spectaculars for the entertainment of audiences around the world.

We take safety very seriously in every event we design, and it is the number one priority for every performance. Howard & Sons takes great pride in providing a **complete turnkey pyrotechnics project management solution** for your event. We work collaboratively with our clients and event partners to design unique creative themes, scenes and effects based on specific events themes, brief, location and budget.

Welcome to the spectacular world of **Howard & Sons Pyrotechnics**.



GRAND SPECTACULARS

Howard & Sons Pyrotechnics **specialises in producing large-scale events such as** national day celebrations, special ceremonies, major special events and New Year's Eve celebrations. The company's unique skill is regularly requested to present grand scale spectaculars that require a masterpiece of creative pyrotechnic art.

We are able to work with and feature a city's landmarks -- waterways, buildings, bridges and iconic architecture -- **to capture the audience in a pyrotechnic spell**, taking them on a magical journey that attracts worldwide media attention to the event.

Our **state-of-the-art** computer firing system and design software enables our performances to be choreographed with music and all multimedia. In addition, the integration of robust computer firing equipment and hardware allows fireworks to be fired from an unlimited number of locations to bring the night skies to life.

Our grand spectaculars designs are created by a **world-class team of experienced pyrotechnic design artists and pyrotechnicians**, using state-of-the-art pyrotechnic equipment and products, working in strict accordance with our safety management systems.

Throughout all phases of production, we utilise **our extensive experience and knowledge** to produce the most creative and spectacular display in the most efficient, cost effective and productive manner.

For more information or a proposal for your event, please contact our team today.





THE BANG COLLECTIVE

The Bang Collective is a live performance company that produces **explosive live performances** featuring fire, water, light and music.

The Bang Collective's current show is **"The Colours of the Outback."**

Blooming from the wilderness of Australia's outback, *The Colours of the Outback* takes the audience on a **magical journey** of pyrotechnics colour, red-hot flames, impressive imagery and foot tapping rhythm.

Pyrotechnic stars paint the sky and illuminate the arena to replicate the **wild environment and changing seasons of the Australian outback**.

With a live didgeridoo performance unlike any ever seen before, and pyrotechnics by Australia's **most innovative** pyrotechnical experts, *The Colours of the Outback* delivers a uniquely Australian explosive experience.

The 'Colours of Outback' is a spectacular 10-15 minute performance of:

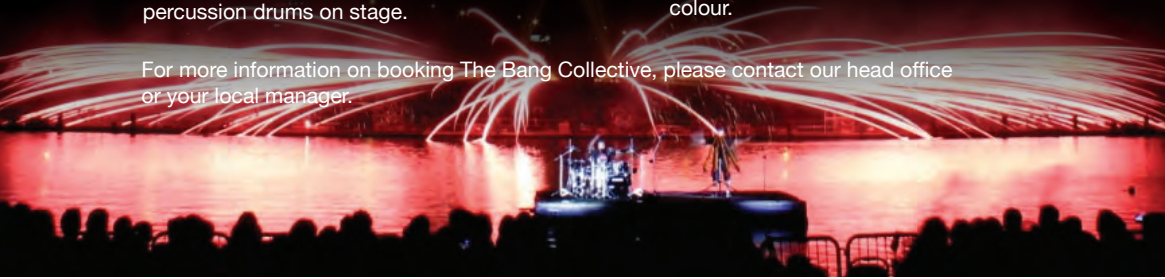
- Pyrotechnics
- Flames
- Visual Imaging
- Intelligent Lighting

All are synchronized to **unique high-energy live music** by 'eMDee' didgeridoo and percussion drums on stage.

This spectacular event is performed in three live acts and a pyrotechnical finale:

- Act 1- Fire in the Sky- sunrise, wildfire, sunset
- Act 2- Monsoon Storm- storm, lightning strikes, rain, wind
- Act 3- Blooming Colours- new life, floral blooms, colourful wildlife
- Finale-A mind blowing finale of colour.

For more information on booking The Bang Collective, please contact our head office or your local manager.





COMMUNITY EVENTS & FESTIVALS

Since 1922, Howard & Sons Pyrotechnics has been lighting up the night skies at:

- Festivals
- Agricultural Shows
- National Day Celebrations
- Christmas Carols by Candlelight
- School Fetes and Carnivals

Our pyrotechnic artistry can highlight community celebrations and produce a **magical finale to any event**, all while creating an extended opportunity for community fundraising activities as large audiences gather and wait for the fireworks display to commence.

Howard & Sons Pyrotechnics provides every client with a **complete turnkey pyrotechnics project management solution** for your event, from the first safety site inspection to the final debrief report.

The benefits of working with Howard & Sons Pyrotechnics on your next event include:

- Experience and knowledge gained over our 92-year history
- Creative designs, concepts and flair
- Superior pyrotechnic product
- Safety management systems
- Hard working and dedicated team
- State-of-the-art technology and equipment
- Professional event management

These are all important elements that make us not just a suitable supplier but also a **valuable partner** for your event.

To learn more about why a signature Howard & Sons Pyrotechnics fireworks display is a fitting finale to any event, please contact our head office or your local manager.



SPORTING EVENTS

Howard & Sons Pyrotechnics is able to produce **stunning spectaculars** for almost any sporting event, both indoor and outdoor.

Our exclusive range of close proximity and debris-less pyrotechnics is ideal for rooftop, stadium and city centre displays, providing a **visually dramatic yet extremely safe event**.

Utilising a state-of-the-art digital firing system, we can produce **precisely choreographed performances** that are synchronised with music, images, lighting and lasers.

In addition to pyrotechnic or flame effects, we are able to provide sporting events with celebration effects like giant “flutter-fetti” blowers and streamers. These effects are often used to shower a stage or podium as awards are presented to the winning team at **high profile sporting events**.

Sporting events given a touch of magic by Howard & Sons Pyrotechnics include:

- Nitro Circus Live Tours
- NRL Grand Final
- Rugby World Cup Ceremonies Australia & New Zealand
- 2010 Delhi Commonwealth Games Opening & Closing Ceremonies
- 2006 Melbourne Commonwealth Games Opening & Closing Ceremonies
- Australian Rugby Union Test Matches
- Super 14 Rugby Union
- FIFA 2002 Soccer World Cup Fireworks Festival
- AFL
- NRL
- Soccer Australia
- Sydney FC Grand Final Celebrations
- Super X
- Crusty Demons of Dirt
- Metal Mulisha Tour
- V8 Supercars & Clipsal 500

For more information please contact our head office or your local manager.



SPECIAL EVENTS & PRODUCT LAUNCHES

Howard & Sons Pyrotechnics is able to add the **ultimate 'wow' factor** to any sponsored or corporate event. Whether you are planning an indoor or outdoor event, we can work with you to ensure your event is a memorable one.

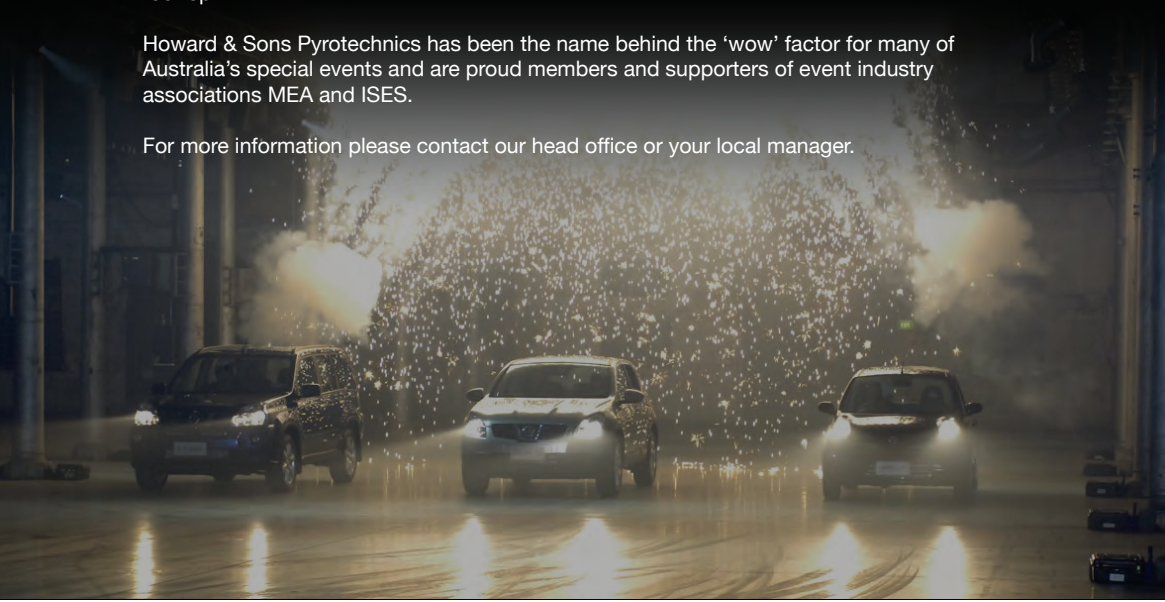
Our creative display designers discuss all logistical and creative elements with your event managers and prepare a full written quotation and event plan to suit all requirements. We then ensure the **concept is realised safely, effectively and efficiently**.

In addition to pyrotechnic effects, we offer giant confetti blowers – often used to shower a stage or dance floor – that can spotlight people or products at high-profile events. Compressed air (liquid CO2) is used to project colourful confetti or “flutter-fetti” from 25 metres (about 80 feet) up to 45 metres (150 feet) into the air.

Other special effects include ‘streamer’ techniques utilising pyrotechnic or air-launched effects. These involve launching either tissue or metallic Mylar streamers up to 12 metres (40 feet), creating a **powerful cascading visual effect** when fired from a truss, balcony or rooftop.

Howard & Sons Pyrotechnics has been the name behind the ‘wow’ factor for many of Australia’s special events and are proud members and supporters of event industry associations MEA and ISES.

For more information please contact our head office or your local manager.





CONCERTS, TOURS & ENTERTAINMENT PRODUCTIONS

The entertainment productions department of Howard & Sons Pyrotechnics consists of a team of people dedicated to designing, enhancing and delivering **any type of special effects**, from a one-off product launch to a year-long concert tour. Howard & Sons have a wide range of:

- Close proximity pyrotechnics effects
- Flame effects
- Flutter-fetti and streamer effects
- Atmospheric effects
- Custom-made special effects

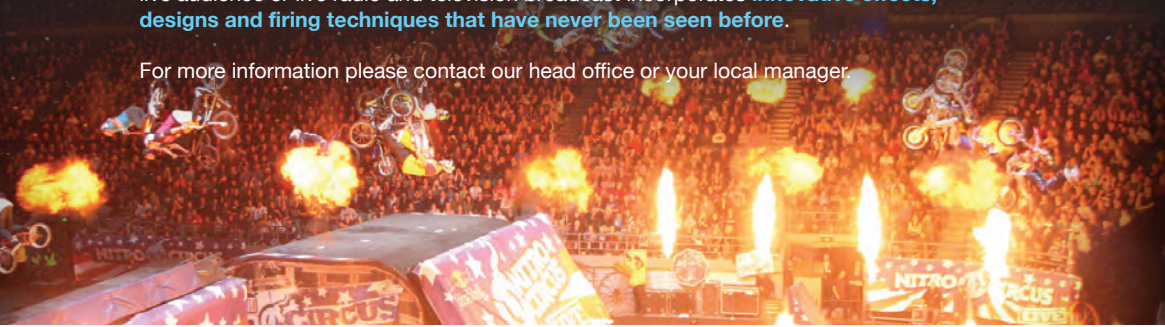
We work closely with the event and production management crew to produce a pyrotechnic or special effects show that is **totally customised** in its concept, design and implementation.

The team in our entertainment productions department is experienced in working closely with all other event suppliers such as staging, rigging, lighting, audio, venues, freight, logistics and travel to ensure all elements of the **production work harmoniously, productively and safely**.

Throughout all phases of production, we take our extensive experience and knowledge to produce the **most creative and spectacular display** in the most efficient, cost effective and productive manner.

Our experience around the world in producing unique large scale pyromusicals for a large live audience or live radio and television broadcast incorporates **innovative effects, designs and firing techniques that have never been seen before**.

For more information please contact our head office or your local manager.





MULTIMEDIA PRODUCTIONS

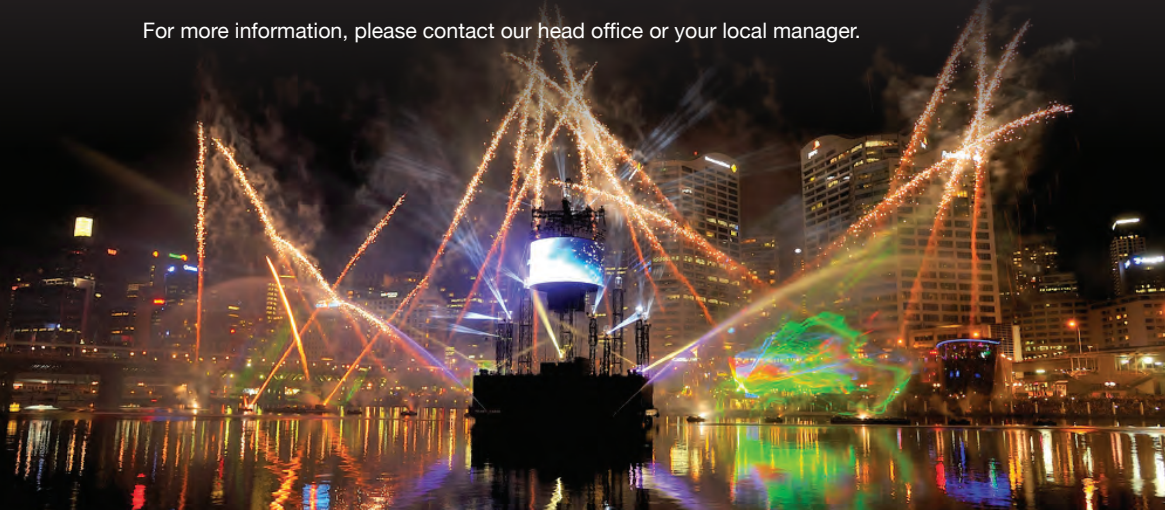
The creative team at Howard & Sons Pyrotechnics has developed a **unique multimedia productions** of fireworks, music, lasers, lighting, waterscreens and projection. All these elements can be combined to produce an innovative attraction that can take the audience into another dimension of entertainment.

Each performance is **individually designed** to entertain the target audience, projecting images and taking the audience through a three-dimensional story. Laser and video images can dramatically appear and move across the waterscreen as the music soundtrack and voiceover narrates the story to the audience.

All of our live water performance shows feature innovative pyrotechnic technologies and firing techniques to execute a unique fireworks display that will entertain and amaze any audience. Spectacular special effects can be launched from fast moving jet skis or boats - or even by water skiers - and are synchronised together to **create a multisensory entertaining production**.

Howard & Sons Pyrotechnics' state-of-the-art computer design software and firing system allows our performances to be digitally programmed with music, lasers, lighting, water-screens and projection, making it possible for fireworks to be launched from an unlimited number of locations to produce **the ultimate extravaganza**.

For more information, please contact our head office or your local manager.





CLOSE PROXIMITY PYROTECHNICS

The team at Howard & Sons Pyrotechnics includes world- renowned **designers and producers of pyrotechnic special effects** – close proximity pyrotechnics – that can be safely used in, around or on indoor stages, arenas, stadiums, building rooftops and courtyards.

Christian Howard and his team of pyrotechnic designers and producers have worked tirelessly over the past 20 years to perfect our new range of close proximity pyrotechnics. This entire product range can be fired indoors or in small outdoor areas where the audience is within close proximity to a set.

The effects have no fallout and are smokeless, which makes them **ideal for sporting events, concerts, theatrical productions, and corporate and private events** such as product launches and weddings.

Howard & Sons Pyrotechnics is able to produce a wide range of special effects to **suit the most unusual requirements** for events, commercials, television shows, video clips, movies and photo shoots.

For more information please contact our head office or your local manager.





FIRE EFFECTS

Howard & Sons Pyrotechnics **specialises in creating fire-flame- fireball effects** for any event at any location and offers an extensive range of fire and gas flame special effects for both indoor and outdoor events.

Our FireJets use a hydrocarbon liquid and pressure to produce **spectacular flame effects** from 3m to 15m high. The FireJets produce flames and fireballs by spraying a low irritant, low flammable hydrocarbon fluid through multiple electric ignition sources.

The FireJets can be **safely used indoors or outdoors** to create an awesome sense of fire, flame and heat that the audience can actually feel. They can be DMX-controlled and programmed to fire on the beats of music and dancing, pulsating in choreographed patterns. The FireJets are a spectacular addition to any event.

We can provide a VIP red carpet flame walkway or create and enhance a fire-themed event or performance.

Howard & Sons Pyrotechnics has **created unique fire sculptures**, bringing another exciting element to the company's creative displays. These sculptures are custom designed and manufactured to suit any event. They can even be animated with moving limbs or other moving parts and can be used indoors and outdoors.

Fire effects can also be incorporated into indoor events, concerts and product launches such as the Australian Olympic team Nike uniform launch and the Miranda Kerr fashion parade.

For more information please contact our head office or your local manager.





CO2 EFFECTS

Howard & Sons Pyrotechnics is able to provide CO2 jets that can be **safely used at indoor and outdoor events.**

CO2 jets create an instantaneous or continuous column of white (cloud) mist that creates an illusion to allow something or someone to be revealed. The jets can also be released on music cues to enhance a **theatrical moment.**

Howard & Sons has various Co2 systems available, which can create television **magic.** These jets of fog are also an exciting and effective way to cool down crowds at dance parties at the press of a button.

From sporting events and theatrical productions to street parades and weddings, no event is too big or too small for instant Co2 atmosphere. Plus, most venues don't require permits for these safe and affordable effects, making them an effortless addition to your event. We take the time and effort to understand our clients' needs. Our staff will focus on your needs and recommend the most suitable effects available to meet your vision and captivate your audience.

Let Howard & Sons take your event to the next level! For more information please contact our head office or your local manager.





STREAMERS & FLUTTER EFFECTS

Flutter-fetti, confetti and streamers create **fun and excitement**, providing the perfect addition to any celebration or event. From weddings to concerts and parades to sporting events, Howard & Sons Pyrotechnics will have your guests buzzing with excitement.

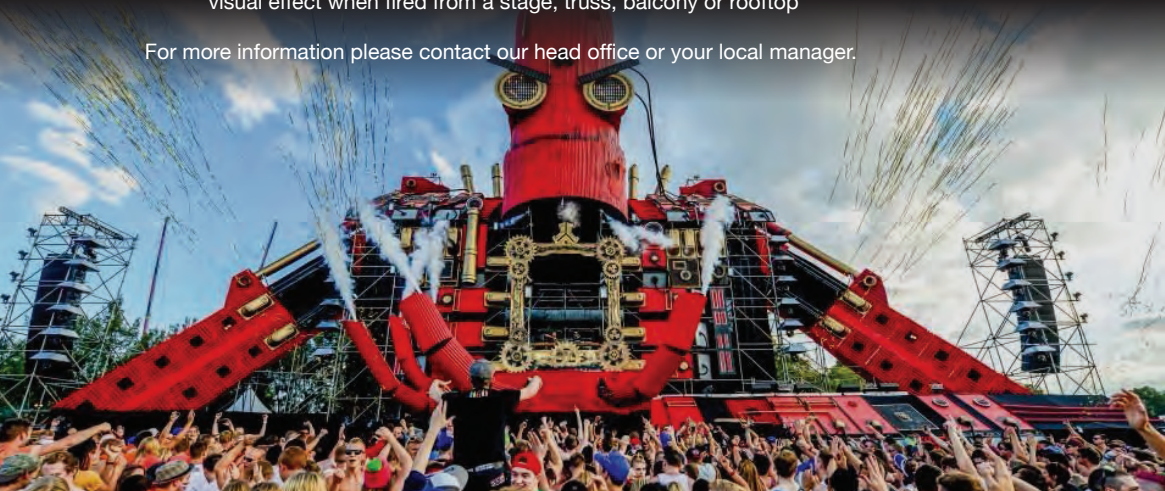
Our confetti and streamers are made in a **variety of colours and shapes**, and are easy to clean up. All of our tissue products are flame retardant and made of biodegradable material.

Whether your event is large or small, we have the necessary equipment to make an incredible, **memorable moment for your guests**.

Howard & Sons Pyrotechnics is able to provide a wide variety of Mylar streamers, flutter-fetti and even snow effects for **events, celebration parades or presentations**:

- Giant confetti/flutter blowers – often used to shower a stage, presentation podium, dance floor – to award the winning team or highlight people or products at high-profile events. Compressed air – liquid CO₂ – is used to project the confetti, available in a wide range of colours, from 25 metres (about 80 feet) up to 45 metres (150 feet) into the air.
- Streamer effects – pyrotechnic or air-launched effects – involve launching either tissue or metallic streamers up to 12 metres (40 feet), creating a powerful cascading visual effect when fired from a stage, truss, balcony or rooftop

For more information please contact our head office or your local manager.





WEDDINGS

For the bride and groom who wish to truly differentiate their wedding ceremony, Howard & Sons Pyrotechnics offers **special effects** that can be ignited to highlight and dramatize the unique moments of your wedding day.

Howard & Sons Pyrotechnics has designed exclusive wedding effects that can be used **indoors and outdoors** to add the memorable impact you want to your special day. Our experienced team of pyrotechnical designers will create a wedding ceremony extravaganza that will have your guests in awe, and will provide you with spectacular memories for years to come.

These effects will help to **highlight special moments** during the couple's wedding and reception, such as the bride and groom's entrance, the conclusion of the wedding toasts, the cutting of the cake, the bridal waltz or the bride and groom's departure.

Howard & Sons Pyrotechnics offers our **exclusive product range** in a variety of special wedding packages.

If you are interested in starting your married life off with a bang, contact our weddings coordinator for more information: bang@howardsfireworks.com.au.





FUNERALS

If you are looking for a unique way to celebrate the life of a loved one or family member, look to Howard & Sons Pyrotechnics for an individualized fireworks display incorporating **cremation ashes for an unforgettable send-off**.

Ashes can be carefully placed into handmade aerial shell fireworks that are launched high into the sky and burst in spectacular style and colour, **scattering the ashes** over the ocean or another favourite designated location.

Our caring, compassionate staff will work with family members to design a tasteful and professional memorial that will ensure your loved one is **remembered for years to come**.

Funeral pyrotechnics can be a wonderful way to commemorate the life of a special loved one. The pyrotechnics can be set to favourite pieces of music and held in a setting that has special meaning to your family.

These displays are ideal for the person or pet you literally want to go out with a bang! To design that fitting farewell, contact our office for more information at bang@howardsfireworks.com.au.

CONTACT US

GET IN TOUCH WITH US

Howard & Sons Pyrotechnics has a national and global network of professional pyrotechnicians.

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