

WASMA ALUMNI review

WA SCHOOL OF MINES ALUMNI MAGAZINE

SCHOOL OF MINES
1903

**NEW COUNCIL MEMBERS
PEOPLE - THE KEY TO
SUCCESS AT BARMINCO
SABINA SHUGG BRINGS
FRESH PERSPECTIVE**



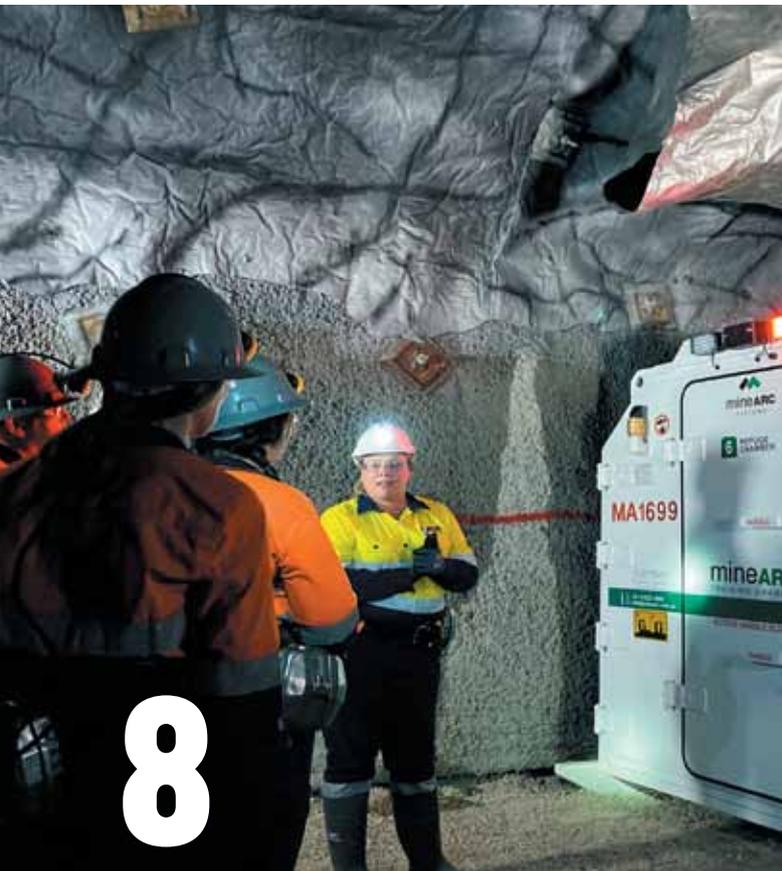
SUMMER EDITION 2019 V6

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*Cover Image: Curtin Vice-Chancellor Prof Deborah Terry
and Kalgoorlie Campus Director Sabina Shugg*

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SUMMER REVIEW

As 2019 comes to an end, we have reason to celebrate a year of progress, building a strong foundation for the year ahead.

As the new WASMA President, I would like to welcome six new Council members Jessica Bennison (Treasurer), Marie Forsyth, Michelle Keegan, Pearl Martin, Gemma Murphy and Darren Stralow who along with current Council members Jade Singleton (Vice President), Raleigh Finlayson (Chair), Dave Harwood, Warwick Jones, Brendan Parker, Phil Plaisted and Vic Simpson and new Executive Officer Liz Blaxell look forward to steering WASMA into the future.

I would like to recognise Raleigh for his tireless efforts in leading and transforming the WASMA Council as President for the last two years. I would also like to thank outgoing Council members Ken Brinsden, Mick Finnegan, Stuart Tonkin and Neil Warburton as well as former Chief Operating Officer Ann Meyer for their valuable contributions to WASMA over many years.

Ken, Mick, Stuart and Neil will continue their association with WASMA through the newly created Advisory Council, also chaired by Raleigh to provide continuity between both councils. The Advisory Council replaces the Patron's Group and will include representatives from across the industry who have strong standing in the community and a particular interest in education.

Earlier in the year the WASMA Council determined a 'compass' for the future, guided by the idea that "If everything is important then nothing is important." The council pinpointed several areas where its energy is best served including partnerships, resources camps and mentoring.

Engaging partners and sponsors is crucial to achieving WASMA's core values of excellence, pride, inclusivity and collaboration. We look forward to nurturing existing partnerships and welcoming new partnerships in the coming year so that we can continue to serve the WASMA community.

Surplus funding will be utilised to support other areas such as resources camps. BHP's valuable support for resources camps over the last few years has led the way to achieving significant conversion rates for students choosing to study Mining Engineering. It is expected that 35 students will be enrolled in third year in 2020, from the projected eight before the camp and 48 students are expected to be in second year. Saracen Minerals has generously committed to supporting Kalgoorlie camps for the next three years and we are also exploring opportunities to target Chemical and Petroleum Engineering.

In 2018-2019 WASMA was a key partner in the successful expansion of the CoRE Program, a high school-based program providing a pipeline of talent for the resources sector. Other key partners include Curtin University, Questacon, Kent Street Senior High School, AusIMM and Saracen. The program has grown from one school in 2018 to five schools in 2020. We look forward to supporting the CoRE Learning Foundation in further expanding the CoRE program in the Pilbara, Goldfields and Perth Metro area and helping to provide pathways for the next generation into the resources sector.

On behalf of all the Council I would like to wish you a safe and restful festive season and look forward to seeing you at one of our many events in 2020. ■

CHRISTIAN PRICE

Director Resource Dynamics and WASM Alumni President

MEMBER

NEW COUNCIL



JESSICA BENNISON

WASMA TREASURER

Jessica graduated from WASM in 2008 in the inaugural year of MEA. She has been a member of various committees throughout university and beyond including the WASM Social Club, WASM Curtin Student Guild, and site social clubs across the State. Jessica has a keen interest in preserving the reputation and sustainability of both WASM and the mining industry in general, and is a passionate advocate for vacation student and graduate employment programs. She looks forward to making the most of a period of working part-time by increasing her contribution to the community and industry through volunteer roles.



PEARL MARTIN

WASMA COUNCIL MEMBER

Pearl graduated from WASM Kalgoorlie with a Bachelor of Mining Engineering in 2009 and spent five years working as an underground mining engineer in Mount Isa and Kalgoorlie. She has been a member of WASMA's Stakeholders and Corporate Governance Subcommittee, which reflects her passion for diversity and inclusion within the mining sector, and her enthusiasm to enhance WASMA's relevance and accessibility to members and stakeholders. Pearl's unique skillset as an experienced mining engineer, and now working as a lawyer specialising in mining law at Gilbert + Tobin, brings a different perspective to the WASMA Council, and reflects her commitment to upholding WASM's world-class reputation.



MARIE FORSYTH

WASMA COUNCIL MEMBER

Marie brings practical and applicable skills to the role of councillor within the Alumni. Her metallurgical background covers a wide range of commodities and she also has experience in consultancy and metallurgical laboratory. Marie is a passionate advocate for students, which was demonstrated during her time at WASM through contributions to the AusIMM Student Chapter, and as committee member for students for WASM in Kalgoorlie. More recently she has been involved in developing collegiate student groups within her law degree. In addition to her metallurgical degree, Marie also brings legal appreciation of mining and the law.

BERS



GEMMA MURPHY

WASMA COUNCIL MEMBER

With over 20 years of practical experience in the mining and education systems, Gemma hopes to help reverse the falling interest in the industry and develop a stronger awareness of WASM in high schools. She also believes WASMA is in a good position to be able to ensure a more sustainable, better educated resource pool from Curtin by discussing with both the students (at networking events) and the educators where there are developing trends in technology plus the possible future lack or surplus of certain qualifications.



MICHELLE KEEGAN

WASMA COUNCIL MEMBER

If the Alumni is the link between industry and WASM, it is about ensuring we prepare the students (pre-degree and post) to be the best Mining/Met students for the industry. Given the lack of students studying, the industry will have to solve for new organisational designs to meet the skills required in a different way. So our role is also to understand this change and continue to bring awareness to the University to keep creating the right and current student. Michelle's contribution to delivering this comes from the 25 years of experience she has in industry since leaving WASM through her mining, services and strategy background.



DARREN STRALOW

WASMA COUNCIL MEMBER

Darren is an active WASM graduate who still has a lot to do with WASM through his role as head of the Graduate program and university engagement at Northern Star Resources. He has had an active role in recent initiatives such as the CME industry round tables on attraction of people to the industry and redesign of mining engineering degrees. Within the council Darren would like to get involved in the mentoring program and help with strategic direction.



SABINA SHUGG

Kalgoorlie campus director Sabina Shugg
and her sister Vanessa Shugg

BRINGS FRESH PERSPECTIVE

Story written by Ngaire McDiarmid

Sabina Shugg has become a familiar figure to many in WA's mining sector and she's now bringing her industry experience and passion for inclusion to the next generation.

From the “graduate-ess” pictured at the WA School of Mines’ graduation ceremony in 1994, Ms Shugg’s career has turned full circle, recently being appointed director of Curtin University’s Kalgoorlie campus which includes WASM: Minerals, Energy and Chemical Engineering.

During the intervening years, women have become less of a novelty in the mining industry.

However Ms Shugg’s latest appointment does represent a break in tradition – she’s the first woman to take on the role, which is usually held by an academic.

It also marks a return to her roots. Born in Norseman, Ms Shugg found herself an entry-level job in the mining industry when she returned to the Goldfields while she reconsidered her tertiary education path.

“There were lots of jobs to be had,” Ms Shugg said. “I started off as a fielder then it wasn’t long before I joined the brand-new Jubilee gold mine as an assay clerk.”

What followed was a progression through the ranks to part-time pit supervisor but during a particular night shift, she decided it was time to go back and study, doing a various combination of working and studying at WASM to gain her mining engineering degree.

“It was good to be able to do the two together and that’s the real advantage of living and working in Kalgoorlie,” she said.

Ms Shugg went on to hold various senior roles with mining and consulting organisations, achieved an MBA from UWA and in 2003, founded and still chairs the Women in Mining and



Sabina Shugg graduated from WASM in 1994

Resources WA group. Designed to create a supportive network for women in the industry, WIMWA currently numbers more than 3,000.

Now as the Kalgoorlie campus director, Ms Shugg is keen to increase engagement with the industry and community to make the campus more successful for staff and students.

"We're certainly looking at people to come and speak, and develop research ideas, and for opportunities for our staff to engage with various mine sites," she said.

She's also hoping to make the campus more multi-disciplinary to make it more sustainable through the various commodity cycles.

She said there was already the capacity to do commerce and education degrees remotely, accessing facilities at the Kalgoorlie campus, there was a new pathway to transfer from TAFE to do an associate degree in mining, a rural health campus

was being launched and WASM was partnering with Carey Mining to establish an Aboriginal Mining Academy.

"Those pathways are really exciting," she said.

"If we can get those happening it bodes well for the diversity of the campus.

"We all know the importance of diversity in our community, our workplaces and in our campus - it makes for a better, more inclusive, welcoming community to be part of."

Among Ms Shugg's many accolades, she's been awarded a Member of the Order of Australia in 2015 for her service to the mining industry, and named a WASM Alumni life member in 2017.

Like the driller who could end up being managing director of his own drilling company, she said the mining industry presented opportunities for those who were prepared to make the most of them.

And her advice to WASM Alumni?

Keep in touch with people across your network and look at buddying, sponsoring or mentoring opportunities, which she believed could be just as beneficial to the mentor as the mentee.

"There's a lot to be gained by getting involved," she said.

"When you can give back, you often get more out of it than you give." ■

GRADUATION CEREMONY

and a half thousand kilometres... like a pretty long way to go for a couple of days, but I figured it had to be worth it. I mean - graduation only happens once in a lifetime, right? That unless one goes onto further study - hey Bubba!

... I guess I had a bit further to travel than the graduates (un) lucky enough to still living in Kalgoorlie, but not as far as a couple who had to come from Queensland. To anyone not involved in the mining industry Telfer would be a foreign word, not being on many people's "must visit" lists, but for me it's now the place I call home. All the same, I was prepared to give it up for a week or so to get back to WASM Graduation Ceremony 1994!

Having not seen anybody for about half a year was enough excuse needed to get into town a few days early, so as to re-acquaint myself with a few old mates and a few old haunts. It was refreshing to find that some things don't seem to change - the Loaded Cactus does a good cheap banquet; Harry's doesn't get crowded on a Tuesday night; De Bernales is probably your best bet on a Wednesday night; the Shaft Bar still gets packed in the wee hours of the weekend mornings; and the best place to go after an all-nighter at the nightie is to the Foundry for a truckie's breakfast.

The graduation Ceremony for the class of '93 took place in the Western Mining Corporation Conference Centre, preceded by a quick practice that same afternoon. The show proper got under way with the procession of staff members, invited dignitaries and graduates, immediately followed by a rousing rendition of Advance Australia Fair.

Introductory remarks were provided by Professor Spottiswood, Director of

WASM, before the occasional address from Mr Richard Tastula, Chairman of the WASM Board of Management.

The next step in proceedings was the real thing - what we'd all been waiting for. This was the Holy Grail at the end of the tunnel, sufficient to inspire many WASM students through long and torturous hours of mind-bending and study; what we had all only been able to dream about up until this point. For four long years (give or take a little) the promise of graduation had been a carrot dangled before us, and now it was ours for the taking!



Sabina Shugg, Graduate-ess

Each graduate was presented in turn to Mrs Audrey Jackson, Pro-Chancellor of Curtin University of Technology, who presented the graduate awards and prizes. Whilst introducing the graduates of their respective departments, Professor Eric Grimsey, Associate Professor Cliff James and

Professor Tad Golosinski revealed a few lighter moments for which the former students were better remembered. Maybe something in their car, maybe something about their favourite social activity, maybe an unforgettable stupid question asked whilst on a field trip. There was something to be said about everyone graduating, providing a welcome lighter atmosphere to the proceedings.

Special mention must go to Walter Shamu, awarded First Class Honours in graduating, and winner of the WASM Graduates' Association Gold Medal as the top graduating student of any discipline. Also to Paul Tan for winning the Reg Bucket prize for the highest scoring fourth year industrial project. Well done to both of you and to all the other prize winners. Especially, however, congratulations to all those students who graduated.

Professor Lance Twomey, Acting Vice-Chancellor of Curtin University of Technology, then read the charge to the graduates. In this he challenged us all to inspire ourselves and each other to reach new and greater heights of achievements and contribution to the community.

Another significant achievement was marked that night - the official opening of the Student Guild Building. Sir Laurence Brodie-Hall performed the deed, preceded by introductory remarks from Barry Patterson. Both of these men, and many others, have been major forces behind fundraising necessary to see the building project come to fruition. A big thankyou from all WASM students - past, present, and future.

Following the ceremony proper, beers, wines and nibbly bits were provided for all in the new Student Guild Build-

ing. This provided an excellent opportunity for family, friend and past students attending the ceremony to see WASM's newest "pride and joy", for which students have been waiting. A lot of people present that night were well aware that the true Christening of the Student Guild Building was to happen the following night, but that's another story.....

The evening culminated with the 1994 Graduation Dinner in the Kalgoorlie Town Hall. Included in the proceedings was the induction of the latest batch of "young industry professionals" into the Graduates Association of WASM. Much food and drink (especially drink) was consumed by all in what was a very successful evening. The commemorative bottle of 1979

WASM Student Guild red wine (or was it vinegar?), found one weekend in a dusty corner of the Kalgoorlie Country Club, once again surfaced in what was to be its final appearance. When found, some two years earlier, it was decided that it should be kept for our graduation night - in hindsight a decidedly silly promise. The fifteen year old drop was chugged down by many a graduate in what could be only described as grimaces.

The somewhat over-zealous catering staff, comprised of Agricola College residents, are to be thanked for their part in the evening, particularly when it came to shutting up for the night ... (those of you who were still there at the time will remember!)

Receiving my degree was a big thrill, something I'd worked hard for and felt I deserved. I'm sure that I speak for all the graduates of 1993 in thanking all those involved in making the night a success.

There's more to it than that, however - a sense of camaraderie between our year group which hadn't seemed to fade between the end of 1993 and May 1994, and seems to be continuing today. I hope that the friendships we've all made in our years at WASM continue over the years to come.

Here's to all my fellow graduates!

Murray Smith

ARE WE GOOD?
Are we good?
Are we any bloody good?
We are the boys from the
School of Mines!



Gerard Murray, proof that an old dog learns new tricks the best.



PEOPLE

From humble beginnings in Coolgardie 30 years ago, Barmenco has grown from a business of 30 employees to 3,900 employees today who work across 22 projects in eight countries and four continents.

People are central to Barmenco's success story and remain the key focus as the business aims for significant growth over the next five years.

Barmenco Chief Executive Paul Muller said it was the Company's vision to be the world's leading hard rock underground mining

service provider, and its people were at the core of that vision.

"We are aiming to significantly increase the size of our business in the next five years in what is a highly competitive labour market and our focus is firmly on training and our integrated people strategy," Mr Muller said.

Clearly this strategy is paying off and its success was recognised when Barmenco was recently named Australia's Large Employer of the Year at the National Australian Training Awards. This award

recognises a company which is focused on upskilling employees.

Key elements of Barmenco's training strategy are the Barmenco Training Centres, the first of which just opened in its Hazelmere head office in Western Australia, with a second facility being replicated on a larger scale in Botswana, which is due to open shortly.

Barmenco General Manager, Safety and People Patrick Bourke said the unique facilities replicated what it was like to be underground.

"There is a focus on operational skills and they utilise technology to offer customised virtual reality scenarios for all the different underground jobs," Mr Bourke said.

"This is a game-changer for us as it ensures new employees go to site with a much better understanding of the underground environment so they are safer and can operate more efficiently," he said.

"Barmenco's focus on training people extends to several other programs, including its successful



THE KEY TO SUCCESS AT BARMINCO



apprenticeship program that has been running for more than 20 years and its unique leadership program designed to provide career progression for employees, a key retention tool to develop and progress staff into management roles.”

Mr Bourke said Barminco’s rapid growth was down to the people the Company employed and therefore investment in their training was essential.

“We are extremely proud of our innovative training programs and it has made an enormous difference to our business,” he said.

Barminco is one of the world’s largest hard rock underground mining services companies, with operations in Australia, Asia and Africa. The Company is currently developing in excess of 120 kilometres and mining more than 10 million tonnes per year. ■

Barminco Group Manager Training Brian Finlay and GM Safety and People Patrick Bourke accepting the Large Employer of the Year Award at the National Australian Training Awards

MINING INNOVATION AND COLLABORATION

JULY



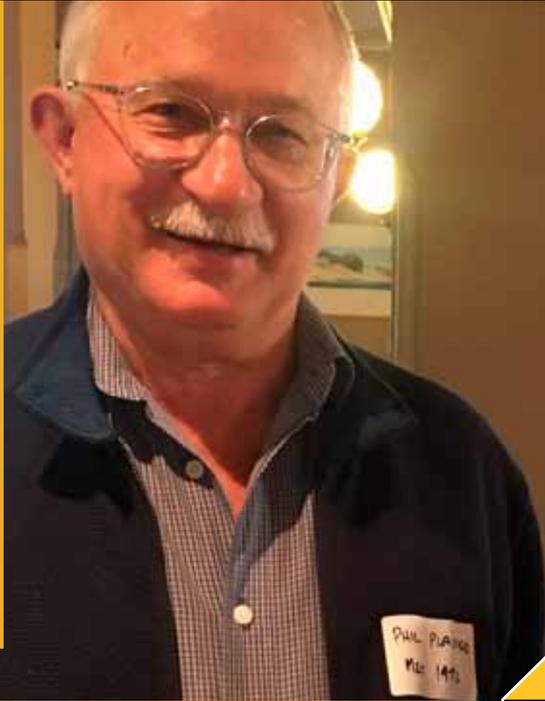
WASMA AND WIMWA DIGGERS SUNDOWNER

AUGUST



KEEPING IN TOUCH

OCTOBER



EVENTS CALENDAR NEW YEAR 2020

FEBRUARY 14

WASMA Graduation Luncheon

We also look forward to honouring our class of 1995 at this event as they celebrate their 25-year anniversary. Please update your contact details to receive an invitation by emailing admin@wasma.com.au and forward the details to other graduates from this year.

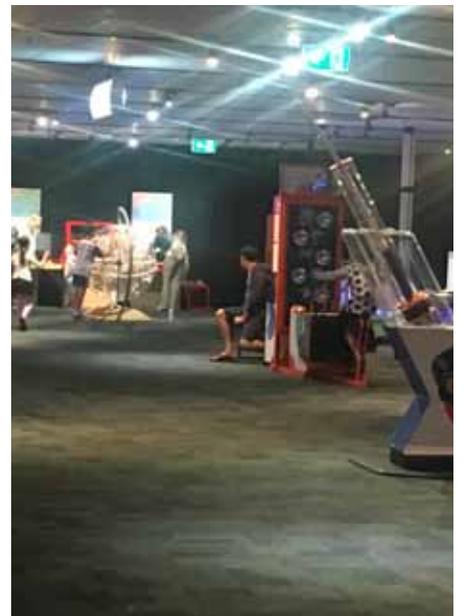
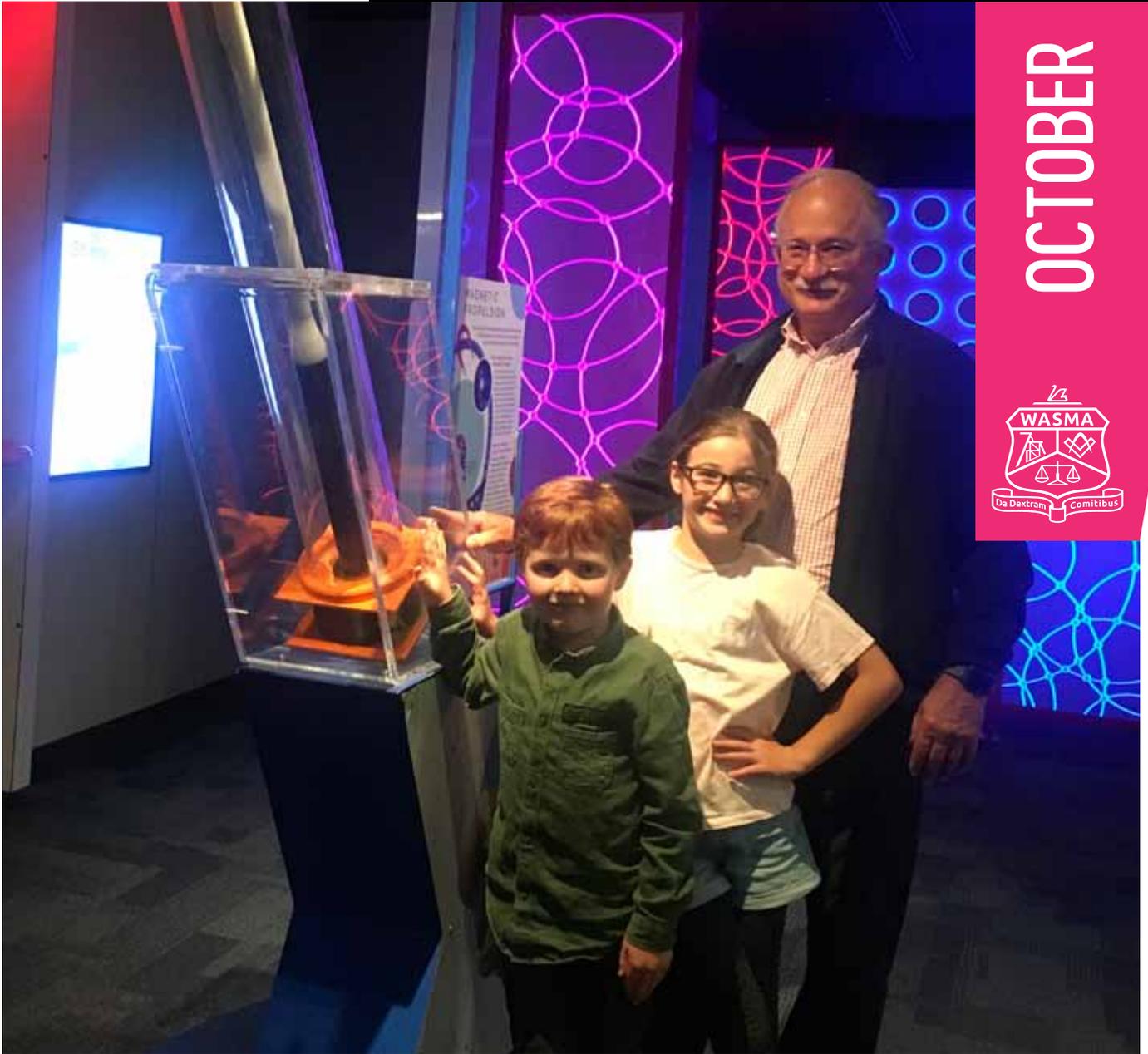
MARCH 18

Mining, Innovation and Collaboration Event



SCITECH FAMILY NIGHT

OCTOBER



WASMA ANNUAL BALL

NOVEMBER







Thank you to all of our valued sponsors and partners.
We look forward to working with you in 2020.



Saracen



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