



PERTH ARTIFACTORY INC.

ANNUAL REPORT
2020 – 2021

PERTH ARTIFACTORY INC

8/16 Guthrie St
Osborne Park WA 6017
E: info@artifactory.org.au

ABN: 16847853023

The Perth Artifactory Inc is a not-for-profit incorporated association in Western Australia and registered as a charity with the Australian Charities and Not-for-profits Commission.

A WORD FROM **OUR CHAIR**

"The Perth Artifactory is an outstanding achievement"

Like 2020, 2021 has been filled with the same struggles. We have missed out on a similar large number of fundraising events, cancelled by the ongoing pandemic. This has left our finances diminished, which has lowered the number of projects that the space has been able to take on. However, the continued generosity and hard work of our members have continued to show why we are the biggest and best makerspace in the state.

We have repaired and renovated our facilities, some to a very high standard - like our machine room, which sits in its best state since we inherited the room itself.

I can only hope that we will continue to grow as we have over the last year. Like was said last year, this rate of improvement, polish and engagement continues to impress me, and it's little wonder that we have endured through the past couple of years. The Perth Artifactory is an outstanding achievement for all involved and I greatly appreciate everyone's time and effort.

SUPPORTING THE COMMUNITY

OPEN TO THE PUBLIC

The Perth Artifactory is proud to be open to the general public for events and workshops, groups, casual hackers and makers.

Our volunteers are dedicated to providing and maintaining tools, workspaces, machines, and equipment that few people would otherwise have access to.

We are focused on providing a place where people of all backgrounds with an interest in technology or the arts can come together to work on projects, share ideas, and socialise.



OUR PURPOSE

- ▶ Promote the creative use of technology
- ▶ Establish, maintain, and equip a shared work space for our members
- ▶ Provide work space, storage, and other resources for the creative and artistic use of technology
- ▶ Foster a collaborative, inclusive, safe, and creative environment for artistic and technological projects
- ▶ Educate and train our members in skills relevant to our purpose
- ▶ Organise educational, social and cultural events to promote the creative use of technology
- ▶ Raise funds to support our purpose
- ▶ Communicate and collaborate with others with similar objectives

SPONSORSHIP PROGRAMS

SPONSORED STUDENT MEMBERSHIP PROGRAM

This program is now two years old and has supported more than 16 tertiary students that otherwise wouldn't be able to access the space. From engineering to metal sculpting, the support of our student sponsors has allowed us to truly diversify the space.

The Sponsored Membership Program provides:

- 3 months of membership and free/discounted entry to workshops and events at the Artifactory
- Support and training on the usage of Artifactory equipment and resources
- One-on-one mentoring with experienced Artifactory members

"Being granted a sponsored membership has allowed me to develop my creative practice without limitation. The advice, assistance and access to resources has already helped me more than working from campus ever has. Everyone is kind and helpful and a pleasure to spend time with. Thank you again for allowing me this opportunity."

- Opie Robinson, sponsored student

RESIDENT NOIZE ARTIST PROGRAM

The Artifactory is now in its 9th year providing a rotating artist residency, where the artist in residence gets free access to the workshop as an associate member and with an opportunity to perform at several monthly experimental music nights as part of NoizeMaschin!!

Over a three to six month period the successful applicant receives:

- 24 hour access to the Artifactory
- Support and training on the usage of Artifactory equipment and resources
- Free entry to Artifactory workshops and events
- 3 performance slots of 10 minutes at NoizeMaschin!! Perth
- Access to the Artifactory Rehearsal Room

The residency program is designed to assist with the creative development of original DIY projects and foster composer, musical, and artist engagement. Consecutive performance opportunities help artists to develop their craft in a supportive environment.

EVENTS & WORKSHOPS

Financial Year	Artifactory Member Run	External Party Run	Total
2016 - 2017	126	33	159
2017 - 2018	135	56	191
2018 - 2019	190	72	262
2019 - 2020	181	45	226
2020 - 2021	171	28	199

Events	Host	Number Held
General Hacking Day	Artifactory	50
Workshop Wednesdays	Artifactory	34
Arduino U	Artifactory	25
Wine & Design	Artifactory	24
Perth Hackers Open-Source Afternoons	Perth Open Source Hackers	12
Open Days	Artifactory	12
Laser Maintenance Meetup	Artifactory	12
NoizeMaschin!! Live + Streaming Editions	Artifactory	11
Leathercraft Workshops	Western Leathercraft	9
Modular Synth DIY Workshops	West Australian Modular Synthesizers	6
Artifrag	Artifactory	2
Halloween Movie night	Artifactory	1
Mask Workshop	Artifactory	1
ADUG Monthly Meeting	ADUG WA	1



EVENTS & WORKSHOPS

2020 - 2021



OPEN DAYS

The first Saturday of every month is an open day where we welcome members of the public along to meet Artifactory regulars and have a tour of the facilities.

Open days are a great chance to learn more about the Artifactory and even get trained to use equipment like the laser cutters. Many of our long-term members first saw the Artifactory at an open day!



GENERAL HACKING DAY

The general hacking days are one of our open build days where we have some of our members open our doors for a set period of time on Saturday to allow the public to come in and work on whatever they like. From cosplay costumes to electronic gadgets, furniture to musical instruments, pieces of art to functional homewares, the list goes on.

EVENTS & WORKSHOPS

2020 - 2021



WORKSHOP WEDNESDAYS

Workshop Wednesday ran for most of the year providing training for nearly all tools within the space and providing time for members and non-members alike that want time to work on projects during the day or just want to check us out. We thank the members for their tireless work running it for several years. The event is now retired.

ARDUINO U

For 10 years and counting, this fortnightly meetup is where professionals, enthusiasts, and amateurs alike come together to work on their electronics projects. Members and visitors have benefitted from shared knowledge to create everything from musical instruments to motion controlled lights. The format is flexible, catering well to people completely new to electronics.

EVENTS & WORKSHOPS

2020 - 2021



WINE AND DESIGN

An evening of contemplating artifact and interior design partly with the aim of making the Artifactory look cool, and partly to develop an Artifactory Aesthetic. Bring a bottle and some books.

Wine and design is 11 years in and still a popular event with members and non-members alike.

ARTIFRAG

The Artifactory's computer game LAN party had its 10th meetup earlier this year. Started in 2018, it gives Artifactory members and visitors a chance to let off steam playing the computer and console games ranging from classics through to the latest. Its a great chance for those interested in computers and technology to meet up for some gaming and learn a bit about the Perth Artifactory.

EVENTS & WORKSHOPS

2020 - 2021



LEATHER CRAFT WORKSHOP

This workshop provides lessons in traditional and modern leathercrafting by Western Leathercraft. Attendees are taught to make their own leather wristband using common leathercrafting tools. The classes provide the skills necessary to successfully manufacture your own creations!



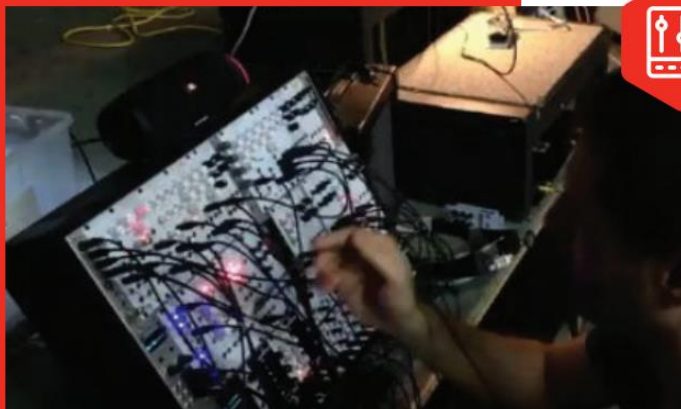
EVENTS & WORKSHOPS

2020 - 2021



MASK SEWING WORKSHOP

Responding to the ongoing pandemic, our members pulled together to organise and run a workshop where attendees made their own face masks. The strength of a makerspace is empowering people to make the things they need and learn useful skills along the way.



DIY SYNTH WORKSHOPS

Hosted by WAMod: West Australian Modular Synthesizers and often known simply as “ModSynth”, this workshop is one of the Artifactory’s most popular workshops. Enthusiasts of analogue “eurorack” style synthesisers meet up and build modules. These modules are wired together in a rack and a cacophony of sounds ensue!

EVENTS & WORKSHOPS

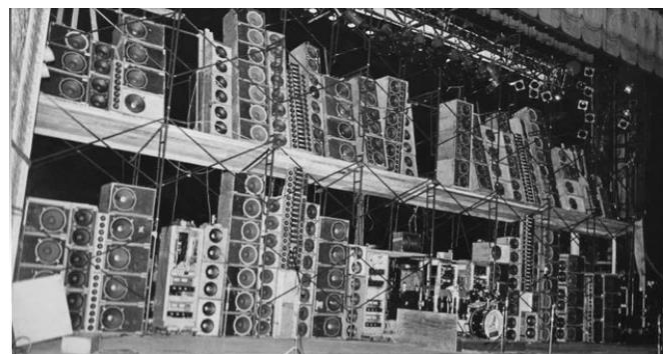
2020 - 2021



NOIZEMASCHIN!!

Noizemachin!! is a monthly noise and experimental music concert held on the last Tuesday of every month at The Perth Artifactory. This year it has seen another eleven successful shows and is into its 10th year. All performances are recorded and available via The Artifactory account on bandcamp, providing both an archive and degustation of the current Perth experimental music scene.

It is where our Resident Artists get to show and perform their creations.



EVENTS & WORKSHOPS

2020 - 2021



LASER MAINTENANCE MEETUP

Our laser cutters are an empowering tool for the hacker and maker. They allow operators to turn wood, plastic, fabric, leather, and food into unique creations. However, they need some maintenance to ensure they run smoothly. This year the laser maintainers have been encouraging Artifactory members with an interest in laser cutting to come along to the laser maintenance sessions.

With a little training, regular users can repair minor laser cutter issues themselves like dirty lenses, out of level beds, and some head crashes. As a bonus laser maintenance meetups allow for more advanced laser cutting techniques to be shared and questions answered in depth.



BREWING

Brewing continues in earnest at The Perth Artifactory with various beers, ciders and mead being produced. Take a look in the kitchen to see what is brewing!



AUTOMOTIVE

Largely driven by some members wanting to fix the paint on their car, purchases have been made that have resulted in the Artifactory possessing quite a few tools for car maintenance and part fabrication. The automotive special interest group is the one to talk to make your car look slick.



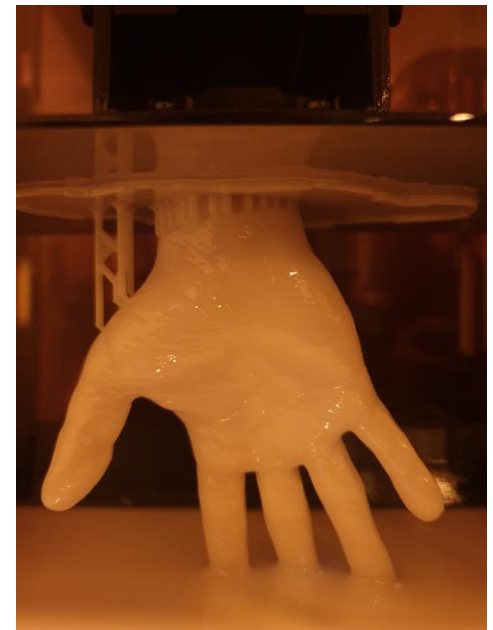
FORGING AND CASTING

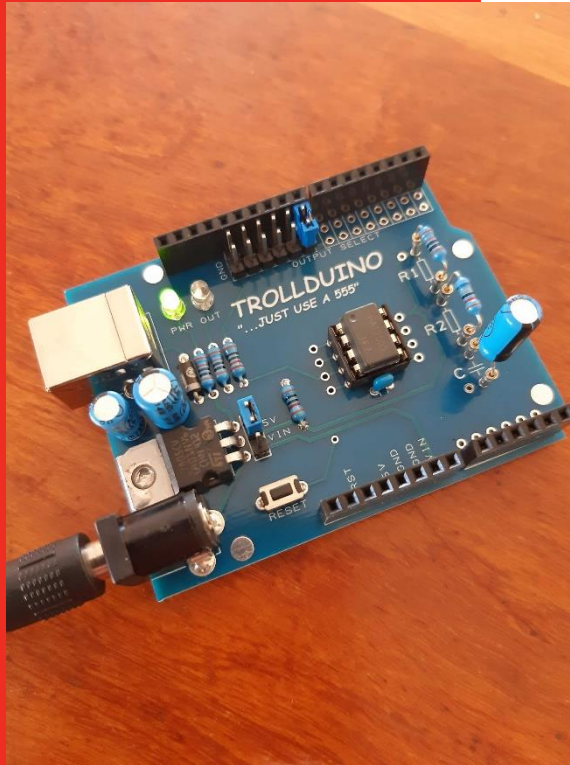
Members continue to find new and exciting uses for our forging and casting equipment. Head over to their Slack channel to learn more.

MEMBER SHOWCASE

Artifactory members make some incredible things. Please take a look and be inspired to make your own creations! Always remember the Artifactory motto:

"Don't think, make!"





TROLLDUINO

Doug Bateman

Designed by one of our very own makers, the Trollduino pokes fun at those who say a project is overly complicated for using a microcontroller. For some, a 555 integrated circuit is all they will ever need! An Artifactory member is not put off by unnecessary complexity. It's practically a requirement of a good hack! Come to Arduino U to learn more and enjoy more electronics silliness.

Hackaday story: [Trollduino](#).



THE SONIC MANIPULATOR

Claude Woodward

A regular feature at Arduino U, Artifactory member Claude has been developing MIDI instruments for many years. The combination of laser cut design, multichannel electronics, Arduino software and musical knowhow make these instruments definitive Artifactory projects.

“I have developed a device (the Claude Controller) that takes all the synth and FX parameters and via MIDI lays them out in a keyboard-like pattern. Instead of knobs, my system uses vertical ‘wheels’, which means it becomes possible to ‘play’ the controls much like you play the keyboard.”

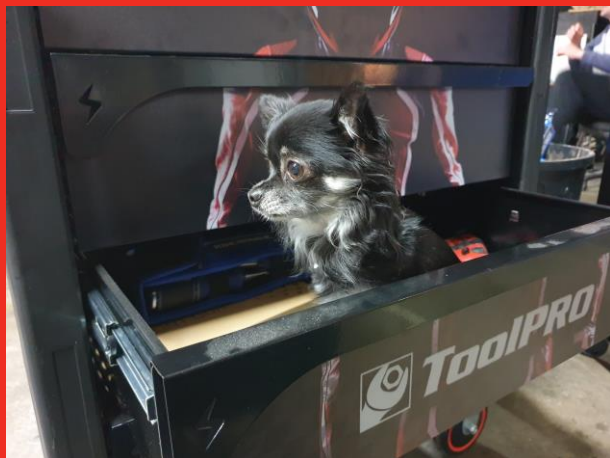
- Claude Woodward

[Website](#)



ENHANCEMENTS TO THE ARTIFACTORY

Another year of significant improvements to the tools and equipment available for use at The Perth Artifactory! We thank the generous member contributions of time and money that made all these improvements possible.



Improvements that have been made to the space from the extraordinary effort put in by our hard-working members include:

- New Artifactory logo and branding!
- Upgrades to the machine room, including a new bench, improved dust extraction and upgraded lighting
- Swarf-o-Matt upgrades
- Little Red laser cutter back online giving us a total of 3 laser cutters
- Big Red laser cutter PC upgrade
- Rearrangement of the laser cutting area to free up extra workshop space
- Design Room refit now with new lighting, extra PCs, a drawing tablet, and space for 3D printers
- Electric roller door installed for courtyard access
- Automated External Defibrillator (AED) provided by St John's WA Heart Grant
- Mobile workbenches



ENHANCEMENTS TO THE ARTIFACTORY



MILLING MACHINE

By generous donation, the Artifactory now has a milling machine! It's a BM-70vE turret mill, in the style of a Bridgeport mill. It is large and powerful enough to do serious work. If you're interested in being trained in its use, reach out on Slack!

Major new tools like this take significant member investment to buy, install and get working. We are very grateful to have such excellent facilities!



ENHANCEMENTS TO THE ARTIFACTORY



DESIGN LAB

Artifactory members performed a full refit of the design lab. Where once it was full of the detritus of making, now it is a focused space for design work and 3D printing. Admire the excellent lighting next time you're in!

Our collection of 3D printers continues to grow through generous member loans. Reach out on Slack to organize your training!

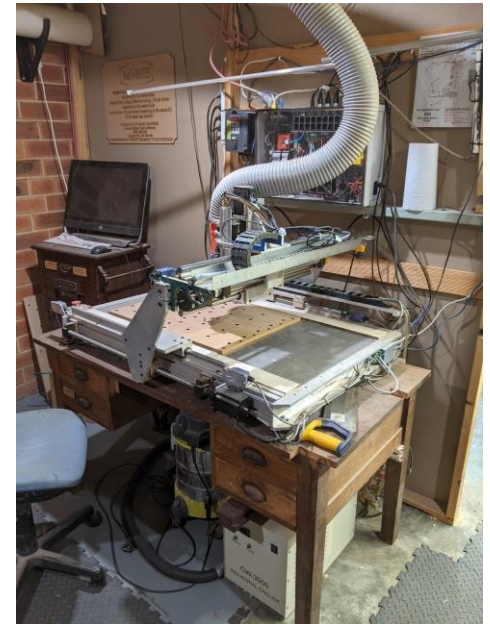
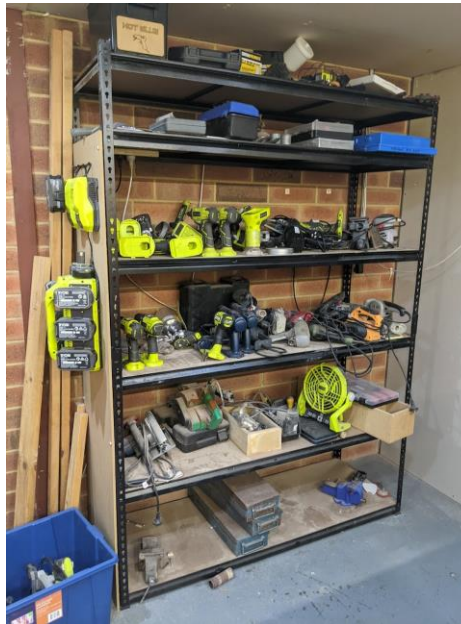
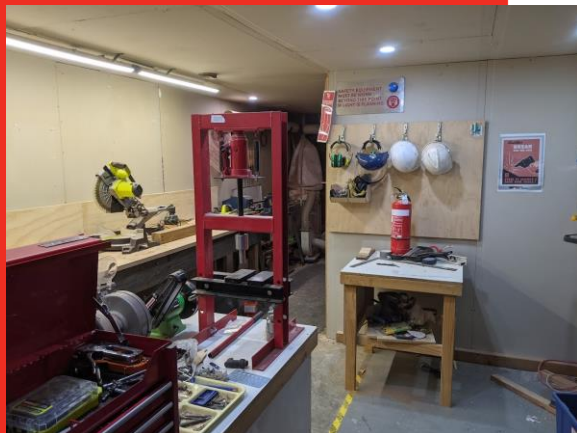
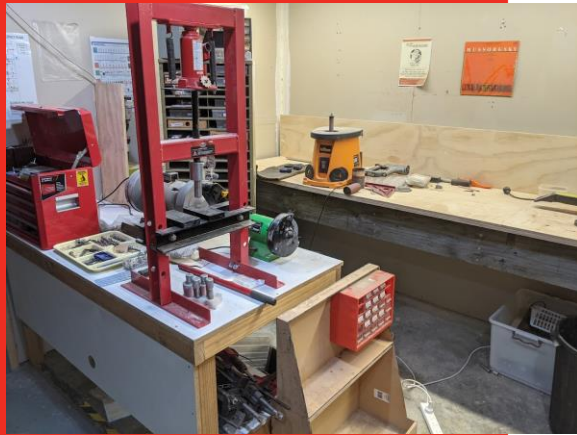


ENHANCEMENTS TO THE ARTIFACTORY



TOOL ROOM

Our tool room saw some much-needed attention this year, elevating it from a dark cellar to a sleek modern workshop! New benches, reorganized tool storage, upgraded dust extraction, CNC router upgrades and an influx of hand and power tools have made this area a star of the space.



WELDING AND METAL WORK BAY

The welding and metal work bay got an overhaul which has significantly improved its tidiness and ease of access.



FINANCIAL REPORT

TREASURER'S COMMENTARY

There's no way to write a summary of the past year without talking about the economic effects of the pandemic. My commentary last year discussed the reduction of income from internal and external events. Unfortunately, this is still the case. Historically we've relied on the exposure and income to promote memberships and fund upgrades, respectively. While local events have still been running in WA, we've seen a dramatic reduction in larger events that we really excel at.

It's no secret that a significant portion of Artifactory attendees are members of local creative communities. We've seen a reduction in participation from this demographic that I believe can largely be attributed to the associated continued economic difficulties.

On a somewhat similar vein our penetration within the younger tertiary student demographic has also seen some reduction. Contributing factors include reduced student presence on campus but the major cause is a shift in the core demographic of our volunteers. In short there needs to be a focus on maintaining a critical mass of students within the community. Without this focus going forward it's likely that the reduction will continue.

Fortunately, this is one area where our generous donors have our backs. The sponsored student membership fund will have no issues supporting whatever endeavours the incoming Management Committee wishes to pursue.

Conversely our NDIS supported memberships and attendance is powering forward. If we continue to strike a good balance between education and volunteer support this area will continue to thrive.

Despite the above income reductions our financial and bureaucratic support of member driven workshop upgrades have reached new heights. This year has seen some of the largest infrastructure projects in our history. The only reason this has been possible is the continued support of our private donors. This backing has allowed our facilities to go from strength to strength.

With careful guidance from our Management Committee, and the support of our volunteers and community over the coming year I am confident that we will see a return to pre-pandemic financial stability.

- Fletcher Boyd

INCOME / EXPENDITURE

Income

2020-2021

Membership Fees	\$37,839
Workshops / Events / Tool Fees / Fundraising / Casual Fees / Other	\$12,108
Donations	\$1,030
Equipment Sales	\$558
Total	\$51,535

Expenditure

2020-2021

Lease and Outgoings	- \$50,722
Insurance	- \$3,266
Equipment Purchases	- \$1,208
Equipment Repairs	- \$773
Waste Removal	- \$736
EFTPOS Rental and Fees	- \$368
TidyHQ Fees	- \$352
Promotion Costs	- \$175
Total	- \$57,600

Overall

2020-2021

Income	\$51,535
Expenditure	- \$57,600
Total	- \$6,065

ASSETS & LIABILITIES

Assets	30 June 2021
Accounts & Cash Balance	\$12,965
Guthrie St Lease Bond \$6,000.00	\$6,000
Assets (conservatively estimated & insured at 100K)	\$100,000
Assets on 30th June	\$118,965

Liabilities	30 June 2021
24/7 Key Bond Held	- \$15,585
Liabilities on 30th June	- \$15,585

MEMBERSHIP

	2017-18	2018-19	2019-20	2020-21
Full Memberships	40	34	35	42
Concession Memberships	22	28	29	32
Band Memberships	1	3	3	2
Associate/Other Memberships	2	5	6	0
Total	65	70	73	76

THE COMMITTED

THE COMMITTEE

Chair: Iain Graham

Deputy Chair: Beau Daley

Secretary: Vincent Dalstra

Treasurer: Fletcher Boyd

Ordinary Committee Member: Blake Samuels

Ordinary Committee Member: Jason Kongchouy

Ordinary Committee Member: Judith Huang

Ordinary Committee Member: Scott Simons

Ordinary Committee Member: Steve Hodges

Ordinary Committee Member: Lisa McCarthy

On behalf of the Artifactory community, the Management Committee thanks all those involved in running events, workshops, subcommittees, maintenance, revamping, fundraising, communications, social media, promotions, and other duties to support the Artifactory in remaining a staple of the Perth maker community.

SUBCOMMITTEES

IT

Promotions

Lasers

Infrastructure

Sponsored Membership Panel

ARTIFACTORY EVENT/WORKSHOP HOSTS

Connor, Dalstra, Harris, Price, Samuels, Bannon, Kongchouy, Gilchrist, McDonald, Graham, Simons, Hodges, Bateman, Frazer, Boyd, McCarthy, Sim, Daley, Tinson, and the many others accidentally omitted!

OFFICERS

IT Officer: Scott Simons

Infrastructure Chair: Joshua Rospondek

Rehearsal Room Coordinators: Johannes Chuah, Martin Gonzalez

Quartermasters: Vincent Dalstra

Events Officers: Phoebe-Jean Harris

Membership Officers: Fletcher Boyd

Member Storage Officer: Steve Hodges

The Ambassador: Danger Magnus





ARTIFACTORY
PERTH'S MAKER SPACE

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