



FREEMASONS NEW ZEALAND

2020 UNIVERSITY
SCHOLARSHIPS



The Freemasons
Charity
a tradition of caring

Welcome from the Grand Master

In our journey through life we find our own personal heroes. These are the people we look up to and admire or seek to emulate. Often they are enlightened, dedicated people who guide us through challenging times like our country and the world are experiencing now due to the COVID-19 pandemic. So it is even more fitting that in our 42nd year we celebrate inspirational young people who epitomise determination and hard work, anchored in compassion, community and respect.

The Freemasons University Scholarships programme remains the largest privately funded scholarship programme in the country. For over four decades, we've awarded about 1,218 top scholars with about \$5.7 million. Those scholars continue to put their knowledge and skills gained at university to use where they will be of most benefit.

A core aim of the Charity is to recognise and respond to the needs of the wider community. Likewise, each scholar exemplifies the best of humanity by excelling in, and committing to, all they do, staying true to themselves, and giving selflessly of themselves for the betterment of others. Each reflects positively on their culture, family, whānau, hometown, and country.

Giving appreciation when it is due and staying connected with each other are vital at this time. So, together, we — scholars, their whānau, and Freemasons — congratulate all our talented 2020 scholars. In these pages you will discover the special qualities of each — qualities that will cloak them as they emerge into the world beyond academia to stand tall when facing the unknown.

We wish each scholar a fulfilling, rewarding career and a successful future.

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Freemasons University Scholarships recipients

AUCKLAND UNIVERSITY OF TECHNOLOGY
POSTGRADUATE

Joshua Iosefo

Joshua Iosefo from Ōtāhuhu, South Auckland is studying towards a Master of Philosophy in Communication Studies at AUT. His thesis is titled ‘If there are no doors in a fale,* where do we come out of? Pasifika queer lineage — the sacred intergenerational space shared (in) between queer identifying family members.’ The creative autoethnographic work will analyse the intergenerational relationship of two queer related individuals and will result in a fictional feature film script with a critical explanation. After getting a Master of Teaching and Learning (Primary), Joshua intends to teach while completing a PhD in either Educational Leadership or Philosophy, with a final role as primary school principal.

Joshua hopes his research will illuminate glimmers of hope and purpose for young queer people of colour. As a storyteller, his graduate film won awards at the Pasifika Film Festival (in Australia) and the Honolulu Film Festival. His sold-out debut stage play ‘Odd Daphne’ won most original production at the Auckland Theatre Awards. His creative work aims to raise mental health awareness within Pasifika and queer communities and is an example of what he hopes to encourage further in the future.

As a referee notes: “Joshua is a special soul — his willingness to put others at the heart of everything that he approaches means that Josh has a unique

* fale = house

way of working with people. He is a social weaver with the innate ability to bring people together in order to help them create meaningful mahi that has impact not only for themselves but their community.”

A child of the migrant dream, Joshua understands the sacrifices his family has made so that he could get a good education. Now he is giving back to his family and community by activating effective change in education and youth wellbeing.

AUCKLAND UNIVERSITY OF TECHNOLOGY

Olaf Wrieden

Olaf Wrieden from Auckland is studying towards a Bachelor of Business and Bachelor of Computer & Information Sciences at AUT, majoring in management and in software engineering. With a passion for technology as a force for good, he intends to join a big tech company or pursue his entrepreneurial nature through start-ups. In his year-long internship at Microsoft, Olaf is working with new and exciting technologies to make a difference.

With a desire to work on impactful projects, Olaf has already applied his learning to make a global impact. In 2018, the Save Nemo Foundation, a European-based charity, brought him on board as Lead Software Engineer (a voluntary role) to develop an application from the ground up. Having discovered the ecological damage that scraping anchors, climate change and pollution cause to coral reefs, his team looked to technology for an answer. Containing a micro-computer no larger than a credit card, Save Nemo deploys affordable, self-sufficient, ‘smart’ mooring buoys with a variety of sensors to monitor critical coastlines. With the knowledge about product management he acquired at university, Olaf led the software team helping to make the data visible in real-time. Regional councils

and universities have shown interest in quality oceanic data. Where expensive alternatives are not feasible, Save Nemo comes to the rescue; and in 2018, won the Google Impact Challenge.

Problem-solving skills and a keen eye for team dynamics see Olaf building high-performing teams throughout his courses. He is a Peer Mentor, helping fellow students understand (often complex) concepts and software architecture problems. In 2018 and 2019 he was one of 35 global student entrepreneurs selected to take part in the Stanford ASes Entrepreneurship Summit. As a volunteer, he presents to Mac Senior Net, a nationwide community of seniors learning how technology can empower them in daily life.

UNIVERSITY OF AUCKLAND POSTGRADUATE

Ellen Hume

Ellen Hume from Palmerston North is studying towards a PhD in Biological Sciences at the University of Auckland. A science researcher with 11 years' experience, her doctoral thesis is titled 'Tipping points in New Zealand production landscapes — opportunities for system tools to improve decision-making'. Her research focuses on the occurrence of environmental tipping points and where we can intervene in a system to avoid their adverse consequences through improved decision-making processes. As part of her research, she will attend internationally-renowned complex system training workshops and conferences.

Making a difference to the environment and society motivated Ellen to pursue research on social-ecological systems and their connection to environment and policy. Previous experience includes applying biophysical modelling

approaches to socio-economic debates so as to improve decision-making, and researching the environmental impact of human activities. Ellen has also specialised in researching how species interact and ecosystems function, and in using models to improve sustainable production in agro-ecosystems.

Building experience and networks with researchers and stakeholders is vital to Ellen. While at Plant & Food Research, she collaborated with research organisations, industry bodies, farmers and growers, and local government. She became one of the institute's leaders in agricultural modelling for environmental policy and was co-awarded the Chairman's Award for Outstanding Achievement. She also participated in the Next Generation Influencers programme that seeks to improve the country's productive environment, and continues to play a voluntary leadership role with this group. Ellen is learning te reo Māori and tikanga, and is Chair of Te Pūnaha Matatini Whānau, which connects early career researchers who work with complex systems. As a volunteer, Ellen has planted trees, made lunches for children in need through Eat My Lunch, and trained to help children with health issues experience camp.

UNIVERSITY OF AUCKLAND

Lachlan Calder

Lachlan Calder from Taradale, Napier is studying towards a Bachelor of Engineering (Hons) at the University of Auckland, majoring in engineering science. A top-performing student, his focus is operations research and data science. One example is his final-year project developing models that understand emotional context to summarise videos/text, with potential applications in mental health. This past summer Lachie interned in the Technology Consulting team at Deloitte working in public

healthcare, and previously he interned at medical device start-up Veriphi. Lachie will be starting as an Associate Consultant at Bain & Company in 2021. He hopes to use his expertise in data science as well as problem-solving and interpersonal skills to make meaningful impacts across New Zealand and Australia.

Discovering viable and tangible solutions to problems is a passion. A member of the university's Management Consulting Club, in 2019 Lachie co-led the expansion of the MYOB IT Challenge to become a Trans-Tasman competition. The IT Challenge is about driving real solutions to business problems. Students compete in small groups and get about five days to prepare a 10-minute pitch, followed by 10 minutes of Q&A, to a panel of judges on their solution to a given problem. Their solution must be a fusion of business and technical analysis, and include the concept of their IT solution as well as any marketing and go-to-market strategy. This year, he is Co-President of the Management Consulting Club. In his first two years at university, Lachie was a Duty Support Volunteer at Ronald McDonald House where he helped with such activities as donations processing.

UNIVERSITY OF AUCKLAND

Zak Devey

Zak Devey from Huapai, Auckland is studying towards a Bachelor of Arts at the University of Auckland, majoring in psychology and sociology. He intends to complete postgraduate study in clinical psychology and then pursue a career in mental health focusing on young people. Indeed, Zak cares deeply about reducing New Zealand's youth suicide rate and has first-hand experience of how mental illness affects families. As one of the university's Arts Scholars, Zak is preparing a research proposal for a

project to investigate how New Zealand teenagers define happiness, and identify whether their definitions could inform mental health treatments. He also volunteers for the Six Thinking Hats programme at Odyssey House, supporting clients with addiction issues to apply critical thinking skills.

Improving accessibility to creative arts saw Zak co-found Youth Arts New Zealand. The charity gives young people the opportunity to get involved with the creative arts. Zak facilitates events and exhibitions that showcase the creative talents of New Zealand's youth. YANZ even offers a creative writing programme for young inmates in Mt Eden prison. Zak believes that nurturing creative talent can have a positive impact on identity and wellbeing, and strengthen young people's creative thinking skills. He aspires to extend YANZ's reach into every major town in New Zealand.

A published author of prose and poetry, Zak has taken part in the Michael King Young Writers programme and won a highly sought-after place in a national creative mentorship programme run by the New Zealand Society of Authors. With excellent leadership potential, Zak has been selected for roles in the Japan Empowerment programme in the New Zealand Institute of International Understanding, and in Auckland's Urbanlife summer youth programme.

UNIVERSITY OF AUCKLAND

Madhu Guthpe

Madhu Guthpe from Churton Park, Wellington is studying towards a Bachelor of Commerce (Hons) at the University of Auckland, majoring in economics and finance. Next year, she will begin her career at a leading global management consulting firm, where she can contribute to solving complex strategic problems for large businesses. She has a particular

interest in public sector work, consumer packaged goods and social enterprises.

Last year, as the team leader on an Impact Consulting Group project to help financial literacy provider Mosabi expand to Papua New Guinea, she gained valuable experience in the not-for-profit sector. The common theme is that she is keen to give back to society and see her work benefit communities.

Excellence in academics saw Madhu receive the University of Auckland Postgraduate Honours Scholarship this year. She received the Prime Minister's Scholarship for Asia in 2019 and the 360 International Exchange Award, on academic merit, to support her on an overseas exchange. During high school, Madhu led a Young Enterprise company called Azu're, which sold organic cosmetic products for the Heart Foundation and gained awards for Excellence in Finance and Innovation. In her final year at high school, she was Dux and received the national Top Achievers Scholarship to study at the University of Auckland. Since then, she has completed a corporate finance internship with PwC and an investment banking internship with Jarden.

Applying her business skills, Madhu is currently a Women Engagement Officer for the Investment Club on campus, and was Director of Education for the same club last year. She coordinates and leads educational events for members and initiatives to improve gender diversity in finance. As a member of the Management Consulting Club, she has competed in national and international case competitions.

Grace Mitchell

Grace Mitchell from Te Kowhai in the Waikato is studying towards a Masters of Science at the University of Waikato. Her thesis project involves assessing urban forest restoration impacts on soil biodiversity in nine cities in New Zealand. She hopes her research will reveal how soil food webs respond to decades of urban forest restoration. After working for a few years, she plans to pursue a PhD and a career in research focused on biodiversity and forest restoration. Science communication also appeals. Her goal is to work for the United Nations in an advisory role on policy related to climate change.

This summer Grace travelled throughout the country, taking samples from different restoration sites. Later this year, she will work on analysing the data in collaboration with the German Centre for Integrative Biodiversity Research (iDiv) in Leipzig. She hopes to help a project using Phospholipid Fatty Acid analysis (a biochemical method) to measure microbes in soil samples. The project aims to provide the first dataset for developing sampling protocols to guide future work on soil food webs in forests. The results should indicate whether long-term urban forest restoration can lead to the reassembly of soil food webs. If travel is impossible, Grace will look at another soil group in the dataset. She has also helped a project studying sugars in the nectar of Mānuka flowers, and won the Waikato Botanical Society undergraduate prize.

Commitment to community is evident in Grace's role as a project manager intern with the Forest Stewardship Council while at university, making people more aware of the benefits of sustainably produced goods. A former editor of the student

magazine *Nexus*, Grace now uses her writing and editing skills as a copywriter for the digital agency LAMB Creative. She also tutors biology and demonstrates for third-year ecology labs.

UNIVERSITY OF WAIKATO

Alexander Bell

Alexander Bell from Waitomo Caves is studying towards a Bachelor of Engineering (Hons) at the University of Waikato, majoring in civil engineering. After graduating, Alex hopes to find work in an engineering firm where he can be part of a collaborative team that solves real-world problems. He is keen to use his skills to benefit his community in a way that respects the environment and the local hapū. He has already interned at local civil construction and geotechnical engineering companies.

While at university, Alex has got involved with inter-hall kapa haka, sports and festivities. Academic excellence saw Alex invited to join the Golden Key International Honour Society. As the community services officer of Golden Key Waikato, he organises community events, such as appeals for various charities. For instance, he supported Warm Up Waikato, the committee's drive for clothing donations. He is also an active member of the Young Engineers Society at university. During high school, Alex's sister Leah (a Freemasons Charity university scholar in 2019) led a petition in 2015 to bring about a National Day of Commemoration for the New Zealand Land Wars. From this experience Alex saw how people can achieve social change when they unite behind a clear kaupapa.

A keen footballer, Alex plays for the Ōtorohanga Men's A team that has topped their division for four years in a row and been promoted to the Waikato Premiership.

Being community minded and motivated to achieve runs in the family. Both of Alex's grandfathers and great grandfathers were Freemasons. He has seen how "better men make a better world", and is proud to follow in their footsteps.

UNIVERSITY OF WAIKATO

Kaylee Bird

Kaylee Bird from Welcome Bay, Tauranga is studying towards a Bachelor of Laws (Hons) and Bachelor of Management Studies (Hons) majoring in strategic management at the University of Waikato. This is alongside an undergraduate Certificate in the Arts, majoring in dance. She hopes that further study in legal bioethics will see her gain the specialist knowledge that lawyers need to work in the health sector. Before that, Kaylee intends to keep working in a law firm. Since August 2017 she has been a law clerk at McCaw Lewis in Hamilton. She hopes to become a junior solicitor after completing the Professionals Course and being admitted to the bar. She wishes to practise in charities and health, with the goal of leading the way toward significant policy changes to improve these sectors in New Zealand.

The performing arts also motivates Kaylee. In 2017 she was one of 25 chosen to represent New Zealand at the World Championships of Performing Arts in Los Angeles. A year later, she won a Waikato Blues Award for high artistic achievement. Last year she was one of four awarded the Step Higher Award in the Sir Edmund Hillary scholarship programme. This took her to Nepal where she saw the work of the Himalayan Trust. The trip inspired her to want to make a difference in the world.

Kaylee is a member of the Unity Dance Club and Hillary Scholars Club at university. She has volunteered as an activities coordinator in a rest home, and is a dance teacher with the Limelight Dance Academy. Animal welfare is also important to Kaylee. She founded the university's chapter of the New Zealand Animal Law Association to promote animal welfare and show law students that the legal field holds diverse employment opportunities.

UNIVERSITY OF WAIKATO

Bianca Craill

Bianca Craill from Oratia, Auckland is studying towards a Bachelor of Science at the University of Waikato, majoring in cellular and molecular biology as well as in computer science. She completed the second year of her double degree on exchange in Calgary, Canada. After completing her degree back home, Bianca hopes to work in a biological laboratory or a software development environment. She also hopes to travel overseas before returning to complete a Masters degree. Bianca aspires to research in the emerging field of brain-computer interface technology, particularly the headsets that read brainwaves emitted from a person's head and then interpret them with software to execute commands. Bianca has already presented ideas on how New Zealand can use this technology in education (which led to an internship with the Ministry of Health) and bought her own headset so she can experiment with programming.

An entry into the Eureka! Trust innovation competition while in her first year at university saw Bianca win a paid summer internship with Medsafe. She presented on how to use brain-computer interface technology in education. While studying biology at high school, Bianca represented New Zealand at the International Biology Olympiad.

Community theatre is Bianca's other home. She has performed and volunteered as a theatre technician in shows by the Hamilton Operatic Society and The Playhouse Theatre Incorporated. In 2018 she used this experience to volunteer with TEDx Ruakura and at the Christchurch benefit concert. As a circus entertainer, Bianca has been a juggler and stilt walker. She has also volunteered for The Re-Creators, which promotes upcycling. This includes workshops where artisans teach people how to create and repurpose products to support sustainability.

MASSEY UNIVERSITY POSTGRADUATE

Lissy Fehnker

Lissy Fehnker from Stonefields, Auckland is studying towards a PhD in Environmental Management at Massey University. Her doctoral project focuses on understanding how people perceive nature, how connected people feel they are to nature, and the potential conservation outcomes from understanding these relationships. Previously she gained a Diploma in Environmental Sustainability, a Bachelor of Arts majoring in physical geography, and a Masters of Environmental Management. Lissy aims to become a lecturer and researcher, and travel to Small Island Developing States in the Pacific to research the connections between people and nature. Research elsewhere will focus on climate change mitigation, and the socio-ecological impacts of external development aid from Western countries to those Developing States. She also hopes to do short contracts with local non-governmental organisations.

Sustainable connections to place are important to Lissy. Born in South Africa to German parents, she grew up in Auckland. Creative and practical,

she trained as a jeweller after leaving school. But finding ways to protect the environment has always been her main passion, and volunteering full time for Greenpeace drew her back to formal education. Before starting her Masters degree, Lissy worked for a few years for the commercial fishing industry. She supported some of the country's largest fisheries to gain sustainable fisheries certification. Part of her thesis for that degree focused on how to manage water pollution on Pacific islands. In 2019, as a Strategy Analyst in Auckland Council's Natural Environment Strategy Unit, she led the development of a marine litter strategy for Auckland and helped to develop a range of other environmental plans, including a marine spatial plan for the Hauraki Gulf.

Well-spoken and charismatic, Lissy has presented submissions to government departments and presented her research work at conferences. She also tutors in environmental management. Making jewellery is now an ongoing hobby.

MASSEY UNIVERSITY

Amanda Clouston

Amanda Clouston from Masterton is studying towards a Graduate Diploma of Teaching (Primary) at Massey University. When she graduates, Mandy plans to get a permanent teaching position at a primary school in or near Masterton. Her academic career has had two distinct stages. After graduating with a Bachelor of Technology in Operations Research, Mandy began a 17-year career working for Caltex in Wellington before moving to Masterton. With her family ever more independent, the time was right to take a different path. Three years as a teacher aide at Masterton Intermediate School provided the inspiration to become a qualified teacher.

Exceptional interpersonal skills, gathered from a lifetime of experience, set Mandy apart from the usual trainee teacher. When working as a teacher aide, she participated in programmes for students with special education needs. She also helped to deliver STEPS, a computer-based literacy development program that helps students develop reading and writing skills. This included carrying out PROBE (Prose, Reading, Observation, Behaviour and Evaluation) reading assessments and presenting mathematics workshops. This year, Mandy has been at St Patrick's School in Masterton for the start of her practicum with new entrants. She is keen to later teach at a primary school. Her positive attitude and enthusiasm, resilience, time management skills, and dedication to education will all prove useful in this role.

Opportunities to be involved in her local community have seen Mandy fundraise for a high school, coach hockey to students, and help with activities for refugees on day tramping trips. She has also helped families settle into the rural community by welcoming them, introducing them to neighbours, and helping them find local amenities that best suit their needs.

MASSEY UNIVERSITY

Samara-Rose Malthus-Henman

Samara-Rose Malthus-Henman from Palmerston North is studying towards a Bachelor of Business at Massey University, with a double major in finance and marketing. Samara currently works as a Customer Service Representative at Westpac and as an intern at JK Finance. She intends to use the experience at both to progress within the financial industry. She wishes to become a Chartered Financial Analyst and, over time, a portfolio manager, and eventually a partner at a finance firm.

The challenge of getting top academic grades while working and handling other daily tasks has taught Samara how to more effectively set goals and manage time to achieve them. In 2019 she joined the newly founded Massey Economics and Finance Club. Through that club, Samara continues to promote, within the university community, the improvement of financial literacy and awareness around investing.

A passion to serve is revealed in Samara's involvement with the Relay for Life. It has changed Samara's perspective about how communities come together in times of loss and sadness. The event gives people a chance to celebrate cancer survivors and carers, remember loved ones lost to cancer, and raise awareness and funds to support the work of the Cancer Society. At high school, the team she co-captained raised \$4,000 a year for two years. Samara was also involved with the Cambodia Charitable Trust, which works to create a brighter future for vulnerable Cambodian children through education.

MASSEY UNIVERSITY

Laura Tippett

Laura Tippett from Welcome Bay, Tauranga is studying towards a Bachelor of Nursing at Massey University. Now in the final year of her Bachelor degree, Laura plans to do a Masters of Nursing, become a Registered Nurse and ultimately a Nurse Practitioner.

Kenya was where Laura's dream of becoming a nurse began. At 15, she travelled there on a school trip and saw the significant health needs of the people in the village where she stayed. She started to realise how nurses make practical differences to the lives of the people they care for. Once she finishes her Masters of Nursing, Laura intends to return to that village in Kenya. Her goal is to empower the

people by helping them understand more about healthcare and how best to manage their health needs.

For Laura, nursing is about combining medical knowledge and skill with compassion and empathy. Her professional skills include working in clinical teams, problem solving in high-pressure situations, and providing care and support to rest home, hospital and palliative care-level residents. In 2015 Laura became a volunteer healthcare assistant at Hodgson House Lifecare in Tauranga. Over time she has become an employee, working at various times to help maintain the personal care of residents by, for example, bathing and feeding them. With empathy, energy and a genuine enthusiasm for keeping people healthy, safe and happy, nursing seems the ideal vocation.

VICTORIA UNIVERSITY OF WELLINGTON POSTGRADUATE

Awatea Moxon

Awatea Moxon from Hamilton is studying towards a postgraduate diploma in clinical psychology and an honour's degree in Māori health at the Victoria University of Wellington. She already holds a Bachelor of Science degree, majoring in psychology and minoring in neuroscience. A PhD in clinical psychology lies ahead on her path to becoming a registered clinical psychologist. Her main goal is to work with adult clients and to become a professor of clinical psychology. Above all, she looks forward to finding ways to promote health and wellbeing within the community.

A desire to support her local community saw Awatea work for Te Kōhao Health medical centre in Hamilton for eight years. The Māori charity health organisation provides accessible, holistic healthcare

to those in need. While there, Awatea supported the community by delivering food and clothing to clients from low-income homes, creating systems and training new staff members against the highest standards of healthcare possible. She also supported the homeless in Hamilton by distributing food and clothing. This desire travelled with her throughout Europe, where she made and distributed sandwiches to people begging on the streets.

Communicating through dance and song is another of Awatea's talents. For many years, she has been involved with kapa haka and choir groups to support community events. While at high school, she volunteered for a mission to St Christopher's Home, an orphanage in Fiji. She led the mission's use of song and dance by playing guitar to overcome language barriers and to connect with the local people. These days, she supports Matāwaka Marae pōwhiri at the Kirikiriroa Marae in Hamilton and family gatherings at Te Waipapa a iwi Marae in Mohaka. As a member of Te Hāhi Mihinare, she leads church services and worship gatherings for both Māori and Pākehā congregations.

VICTORIA UNIVERSITY OF WELLINGTON

Finnian Galbraith

Finnian Galbraith from Paekākāriki, Kāpiti Coast is studying towards a Bachelor of Arts at the Victoria University of Wellington, majoring in cultural anthropology and Japanese. He has a particular interest in Japan and plans to study at Ritsumeikan University in Kyōto later this year. The university is well-known in fields related to social and cultural studies. Finnian's studies have inspired him to consider postgraduate degrees in both areas. His career will likely be in communications, policy advising or human relations. He also wishes to teach English overseas for a few years. All these

options will help Finnian apply his interest in culture and language to a business context. Above all, he enjoys a challenge and wants to connect with people to make a difference to their lives. As one of his referees notes, Finnian has “great potential to become a future leader of Japan–New Zealand relations”.

Creating inclusive, supportive and active environments is important to Finnian. In 2019 he had the opportunity to do minor-level research in anthropology on the relationship between gift-giving and capitalism, and the experiences of stutterers in introduction rituals. Indeed, Finnian has been involved in advocacy groups and held leadership positions, including with the Kāpiti Coast District Youth Council. These and his peer-assisted study and mentoring roles have provided Finnian with the chance to bring people together to provide a platform for their voices. He is also a member of Newtown Toastmasters and involved with Wellington Timebank, an alternative economy that exchanges time, knowledge and skills instead of money. Finnian was in the Kāpiti College First XI. Now at university, he is a member of the Wellington United Football Club and has played in semi-competitive futsal and netball teams.

VICTORIA UNIVERSITY OF WELLINGTON

Matthew Lynch

Matthew Lynch from Khandallah, Wellington is studying towards a Bachelor of Engineering (Hons) at the Victoria University of Wellington, majoring in electronics and computer systems. He then hopes to complete a postgraduate degree. He is very interested in getting the most useful information from the data obtained from sensing devices. To get a wider understanding, Matthew is also studying physics and mathematics. Matthew aspires to work

on technology that benefits society. This may see him work on cutting-edge research that helps to streamline new technologies so they become part of everyday life. Examples are systems for renewable energy, improving waste management, and reducing the impact from transport. During a summer research scholarship, he designed an automated measurement system for sea ice temperature.

Academics feeds Matthew's mind; music feeds his soul. Indeed, his desire to understand the deeper workings of analogue sound systems, such as synthesisers and mixing equipment, led to his interest in electronic engineering. Matthew performed in the Onslow College Concert Band, and volunteers as an audio engineer, setting up equipment, stages, and lighting rigs. A highlight was an exchange trip to Tonga with the Onslow College music department. The group performed in schools, and donated musical equipment and supplies to a school. Matthew particularly enjoyed sharing his skills to support the young musicians he met.

Wellington Off-Road Riding Department (WORD) also keeps Matthew busy as an instructor and volunteer. The not-for-profit organisation focuses on community, friendships, and confidence. It runs school programmes, holiday camps and events that encourage young people to enjoy mountain biking. He also helps build and maintain mountain bike and walking trails throughout the Wellington region.

VICTORIA UNIVERSITY OF WELLINGTON

Jessica Sutton

Jessica Sutton from Ngāhinapōuri in the Waikato is studying towards a Bachelor of Laws (Hons) at the Victoria University of Wellington. She has already completed the requirements for her Bachelor of Arts in French and Spanish. Next she plans to complete a Bachelor of Civil Law at the University of Oxford

before returning to work in law reform in the area of women's rights. Jessica's first thesis focused on whether it is possible to reform trial by jury to better serve complainants in sexual violence trials. Her next thesis will unite her passion for legal issues affecting women's human rights with her strength in international law by exploring protection of women's rights during armed conflict. Later she would like to pursue a PhD in feminist legal theory. Inspired by attending the International Youth Leadership Conference in Prague, where she was the only delegate to successfully pass her amendment in the mock European Parliament debate, Jessica also sees a future in politics-related work.

Representing New Zealand at the 2019 LabCitoyen Human Rights conference in Paris solidified her desire to fight for, and protect, the human rights of women. She returned home to found She's Right, a charitable trust that educates people about challenges with women's rights. While on a university exchange at the Paris Institute of Political Studies, Jessica taught French to refugees. She is qualified as an English Language Partners New Zealand home tutor for former refugees needing help with English.

Starting as a Riding for the Disabled volunteer years ago, Jessica now volunteers in the areas of student wellbeing, refugee support, women's empowerment, and international affairs. This includes being the student representative for the Wellington branch of the New Zealand Institute of International Affairs.

Julie Gillespie

Julie Gillespie from Rolleston is studying towards a Master of Environmental Science at Lincoln University. Her thesis is titled 'Water holding characteristics of pumice fragments in New Zealand pumice soils'. Land with pumice soils is intensively used for agriculture and forestry and, increasingly, for residential developments. Water quality in some areas, such as the Waikato and Bay of Plenty has declined over the last 50 years. The amount of water that pumice can hold is not part of the models used to understand flows of excess nutrients into streams, rivers, and lakes. Including this aspect in the models will help to deliver more effective land management practices to improve water quality. The second stage of Julie's research will see her work out how much of the water held by pumice is available to plants. Understanding this will help to explain why sandy pumice soils behave so differently to other types of soil with different characteristics, especially in a drought.

Passionate about helping to restore water quality for the benefit of future generations, Julie plans to work in the science industry, ideally in a Crown research institute, helping to tackle such science challenges. In 2018 and 2019, she represented the university at soil judging competitions here and in Australia. Julie also hopes to work for an environmental science team in Antarctica. Her ultimate goal is to become a secondary school teacher to help educate the next generation of scientists. In 2018 the university presented Julie with the Supreme Gold Award for Outstanding Contribution to Youth Initiatives.

A volunteer with St John for 16 years, Julie is an award-winning cadet and team leader, including

her current role as assistant manager for the youth division in her area. She is also a member of the Malvern Area Committee that serves the local community.

LINCOLN UNIVERSITY

Ella Sutherland

Ella Sutherland from Rotorua is studying towards a Bachelor of Commerce at Lincoln University, majoring in accounting and finance. She is also taking extra accounting courses to meet the professional accounting requirements, with the aim of becoming a chartered accountant. Ella interned with EY in Christchurch over the summer, working in its assurance department. Land-based industries are another passion. Having studied agribusiness and land economics, Ella plans to continue studies about the sector. Her ideal career is helping business clients in primary industries, such as forestry. So she also plans to extend her accounting knowledge into new areas such as auditing and taxation, and management accounting for businesses.

A future leader, Ella is Chair of the university's Future Leaders' Academic Committee. In 2019, she was runner-up for Future Leader of the Year in recognition of her efforts to support other students, especially those new to university life. She is also secretary of the International Club, which helps international students meet people and settle into New Zealand life. A volunteer on the Lend a Hand committee, Ella has been responsible for media and promotion for a tree planting day. She also supports causes such as Bike to School Day and the Sustainable Sports Movement, which collects and donates sports equipment to students in Fiji.

Artistic expression is at Ella's core. An accomplished ballet dancer, Ella has passed Royal Academy of Dance exams up to Advanced

Foundation level. She has also excelled at New Zealand Speech Board examinations and in its speech and drama competitions. Playing the piano is another passion, with exams passed with distinction.

UNIVERSITY OF CANTERBURY POSTGRADUATE

Nicholas Gunby

Nicholas Gunby from Avonhead, Christchurch is studying towards a Master of Commerce in Economics at the University of Canterbury. His thesis will focus on exploring the impact of climate change on people's happiness as compared to other major life events. Having completed a summer internship at ANZ and after finishing his degree, Nicholas plans to explore opportunities in the public and private sectors. He is interested in how politics and economics interact in important yet often divisive topics such as environmental policy, trade, immigration, and transport policy. His goal is to work in an area where he can contribute to forming 'good' policy by providing robust economic analysis and critical analysis of policy suggestions.

While an intern with World Vision, Nicholas was part of a team carrying out data analysis focused on identifying good schools for World Vision to engage with. Interning with the Department of Conservation over a summer, he looked at motivations and barriers to conservation volunteering among older people. He presented his work with DOC to an audience of regional volunteer managers.

Scouts NZ is Nicholas' volunteering home. He has progressed through the youth sections to his current role as a Rover. At Scouts, he has organised activities that combine personal development with

meaningful service. He has spent many hours giving back to the wider community, including volunteering at tree planting events and helping at the Coast to Coast. He is also part of an international administration and moderation team so that Scouts and Guides can connect online, most recently spending a weekend helping bring Scouts and Guides worldwide closer together during the COVID-19 pandemic. A highlight for Nicholas is spending a week as an abseiling instructor at a tri-annual Scout camp. Nicholas has achieved the highest award a youth member can receive: The Queen Scout Award.

UNIVERSITY OF CANTERBURY

Kim Fowler

Kim Fowler from Papakura, Auckland is studying towards a Bachelor of Science (Hons) at the University of Canterbury, majoring in chemistry. She hopes to complete an honours project focused on synthetic organic chemistry. After a gap year during which she hopes to teach English in China or study Mandarin in Taiwan, Kim intends to gain a PhD in chemistry. Her future lies in the fields of medical chemistry or green fuels. Finding sustainable solutions to tackle problems affecting New Zealand drives Kim. If she sees a problem, she believes she should act to fix it rather than being a bystander. Eventually, she would like to work at the intersection of science and politics, perhaps in a science advisory position.

Research into treating Kauri dieback was a focus in 2019 when Kim joined a research group at university working on developing new compounds. She has helped to make remarkable progress and lay the foundation for a new area of research.

A volunteer in her community since the age of 13, Kim has learned how to network, manage and

market events, and connect with people from all walks of life. She has volunteered with, for example, GirlGuiding NZ, the Department of Conservation, and various advisory boards and youth councils in the community. She has also led a programme for the Christchurch Youth Council to encourage young people to vote, and is a founding member of University of Canterbury for Climate, which galvanises support to address climate issues. Later in her life, she wishes to mentor young people through a service organisation. Other passions range from hiking, skiing and being an outdoor instructor for Blokarting to being a face painter for children.

UNIVERSITY OF CANTERBURY

Hannah Hudson

Hannah Hudson from Cashmere, Christchurch is studying towards a Bachelor of Science at the University of Canterbury, majoring in geography. She intends to do postgraduate study on how geographic concepts and geographic information systems can contribute to a world where change is the only constant. Hannah aims to work in a field focused on national and global sustainability before moving into governance and policy. She aspires to be a leading voice in better governance of technology to promote more equitable social outcomes.

Through her studies in geography and strategic foresight, Hannah sees how people need to be intentional and intelligent about the future they create. For her part, Hannah wishes to help communicate the science around climate change. She hopes to combine her interest in Antarctic science with a trip to Antarctica.

Empowering others has seen this talented speaker and problem solver speak at events throughout the country. Hannah delivered her first significant talk

at age 14 when she spoke at TEDxChristchurch. She later ran TEDxYouth@Christchurch, an independently organised TED event created by youth for youth in the spirit of ideas worth spreading. In 2016, Hannah won the Senior Individual Division of the Future Problem Solving World Championships in the United States. A year later she received an E Paul Torrance 'Creating the Future' scholarship at the Future Problem Solving International Conference. Hannah is now a prominent ambassador within that community and a national evaluator for the New Zealand's Future Problem Solving competition. In that role, she gives feedback to students, moderates the work of other evaluators, and supports the event. Other pursuits are dancing, surfing and skiing.

UNIVERSITY OF CANTERBURY

Megan Poehler

Megan Poehler from Inglewood, Taranaki is studying towards a Bachelor of Science at the University of Canterbury, majoring in physics, and mathematics with the aim of pursuing astronomy. She hopes to complete an honours year focusing on astronomy before doing a PhD overseas. Curious about how the universe works, Megan sees physics and mathematics as tools for understanding its wonders. She hopes to become a researcher in a space agency, observatory, or academic facility focused on galaxy morphology and cosmology. She also wishes to keep engaging in science outreach so the public can share the wonder of scientific innovation.

Charting a course to find out how people fit in the cosmic puzzle, and increasing their knowledge of, and interest in, astronomy are Megan's twin passions. Within the country's astronomy community, she is a co-founder and president

of a branch of the New Zealand Students' Space Association. It strives to inspire students to consider the space industry and STEAM (the intersections of science, technology, engineering, the arts and mathematics) as a career. In 2019 Megan mentored a scholarship group at the Royal Astronomical Society of New Zealand's annual conference.

While on exchange at Lund University in Sweden in late 2019, Megan was a student guide at a science centre and planetarium and was part of a group encouraging women into natural sciences. She continues to foster connections with the New Plymouth and Canterbury astronomical societies where she previously volunteered. Megan has won the dux scholarship that included the Emerging Leaders Development Programme, which fosters leadership growth through service projects on campus and in the community. She has volunteered with the Thursday Club, a YMCA-led space for adults with intellectual disabilities, and with the university's Student Volunteer Army. For Megan (citing this anonymous quote), "nothing is impossible — it just has not been done yet."

UNIVERSITY OF OTAGO POSTGRADUATE

James Heath

James Heath from Merivale, Christchurch is studying towards a Master of Politics at the University of Otago. His research dissertation will look into how charities, especially small organisations with less financial backing, can operate effectively in the political environment. James wishes to explore a career that bridges the political and charitable worlds. After graduating, he hopes to join a New Zealand charity to help them with governance and engaging with the political environment.

Undertaking work that is unique, challenging and contributes to the wider discussion is what drives James. This motivation has carried over into his community involvement, which James views as one of his key pillars. In 2019 he led the University of Otago's student community and helped facilitate a university vigil after the 15 March mosque shootings in Christchurch. He also worked alongside the Otago Muslim Association and other community groups by, for example, helping organise food packages for delivery to refugee communities. He was the MC of the Dunedin City Vigil. James also organised and led a volunteer project to Fox Glacier to help clean up the river after an overflow from the township's landfill. In this project James worked with the Department of Conservation, the New Zealand Army, Queenstown Lakes District Council, and the University of Otago.

Encouraging people to engage with politics is another of James' goals: he has run a student enrolment campaign that returned 300% additional enrolments than previous years. He has worked with members of the LGBTQIA+ community on local government and community relations, led a strategic planning hui of Te Roopū Māori (the Otago Māori Students' Association), worked on suicide prevention policy for a local charity, and spoken to more than 4,000 first-year students about mental health. James has also commented and appeared on the radio, in newspapers and on the Web.

UNIVERSITY OF OTAGO

Nicola Campbell

Nicola Campbell from Jakarta is studying towards a Bachelor of Biomedical Science at the University of Otago, majoring in infection and immunity. Hard work and dedication have contributed to

Nicola becoming a top scholar, and she would like to do a postgraduate diploma in public health and possibly a Masters of Public Health. Born in Indonesia, Nicola found growing up in a developing country and then moving to a developed country an eye-opening experience. She would like to take her knowledge and skills back to Indonesia to work in the health sector, particularly in health promotion. Her goal is to make people more aware of public health programmes, and improve their overall health and wellbeing. Her other goal is to improve disaster management in Indonesia. Her fluency in Indonesian will no doubt help with both endeavours. Above all, Nicola hopes to be a member of a generation who helps Indonesia tackle some of its major issues.

Science communication is another passion. Nicola sees the challenge as breaking down complex scientific findings into concepts that are easy to understand. She hopes that her studies in microbiology and public health, and her volunteer interactions with the community, will also result in her communicating science effectively to the general public. As a start, Nicola has volunteered and fundraised widely. The New Zealand Red Cross is significant among these efforts. Nicola is currently a volunteer for O-Red, the student group associated with the Otago Red Cross. One activity is Mission Mermaid, which teaches female refugees and their children how to swim as well as basic water safety.

UNIVERSITY OF OTAGO

Madison Hill

Madison Hill from St Albans, Christchurch is studying towards a Bachelor of Biomedical Science (Hons) at the University of Otago Christchurch campus. A top scholar who already holds a Bachelor

of Science, Madison is aiming for a career in medical research — especially neuroscience.

Last year, while at the University of Canterbury, she did a research project on proteins involved in Alzheimer's Disease. She cultured *E.Coli* cells to help clarify the discrepancies in the literature around amyloid-beta aggregates and the triggering receptor expressed on myeloid cells 2 (TREM2). The aggregates form the plaques in the brain that are the major hallmark of the disease. After her Honours degree, Madison plans to do a postgraduate degree overseas where she can focus on neuro-generative research — her passion, and ever-important work as the number of older people increases.

Madison was young when she first saw the impact of dementia on an elderly relative. So coordinating Alzheimer's research is another goal. This year she hopes to set up a link between research at the universities of Canterbury and Otago to share more knowledge about research into the disease. She currently volunteers for Dementia Canterbury. With a passion for art, one of her group activities is to discuss art while escorting groups around the Christchurch Art Gallery. Madison is grateful for the opportunity to create experiences where people feel safe and welcome.

An avid netballer, Madison was the B team's player of the year while at the University of Canterbury, and attended the University and Tertiary Sport NZ's national tournament.

UNIVERSITY OF OTAGO

Jamie Marra

Jamie Marra from Dunedin is studying towards a Bachelor of Dental Surgery at the University of Otago. Her fifth and final year includes a five-week placement and an elective research component. Jamie travelled many routes on her way to

New Zealand from Canada, including obtaining a degree in biochemistry. Jamie's main focus is her two young children. Family and community are very important to Jamie, and she has trained as a Refugee Resettlement Volunteer with the Red Cross and completed a summer studentship research project on oral healthcare pathways for former refugees.

Pathways for adults with limited resources to access oral healthcare are scarce. As a result, this group tends to visit hospitals and urgent care units. So, after graduating, Jamie intends to apply for a Dental House Surgeon position before undertaking graduate training. Collaboration and consultation are very important to Jamie, and her goal is to work with a network of health professionals to improve oral healthcare for all New Zealanders.

Witnessing poor oral health as a child fuelled Jamie's desire to become a dentist and improve affordable access to care. Kindness and compassion are at her core. While at the Faculty of Dentistry, she has founded the New Zealand Community Oral Health Outreach Association as a centre for the faculty's outreach initiatives. Through that association, Jamie is leading the delivery of the grant-funded Sunday Clinic for adults in Dunedin with high unmet oral health needs. Setting up the clinic was a massive undertaking, and Jamie overcame many hurdles along the way. Her determination and focus will likely see the clinic change the lives of people with complex oral health problems who could not otherwise afford dental care. Jamie is grateful for the opportunity to spend her lifetime in public health service.

Lawson-Smith Freemasons Education Trust Scholarship recipients

The Lawson-Smith Freemasons Education Trust provides scholarships to students in their fourth or final year of a Bachelor of Veterinary Science degree. It also provides scholarships to students in their third and final year of a Bachelor of Veterinary Technology. Students must have consistently high grades and actively volunteer and support their community. In this fourth year of the scholarships, the Lawson-Smith Freemasons Education Trust has awarded four scholarships: three Veterinary Science students will each receive a \$10,000 scholarship, and one Veterinary Technology student will receive a \$5,000 scholarship.

MASSEY UNIVERSITY

Grace Kaemper

Grace Kaemper from Palmerston North is completing a Bachelor of Veterinary Science at Massey University. Grace is all about communicating effectively. A top scholar with leadership qualities, for the past three years she has liaised with Royal Canin headquarters in Australia to offer support to the veterinary and veterinary technology students. In 2019 she started a lunch to help connect third-year mentors with their first-year mentees. She also tutors students who wish to become vets, and is the fifth-year vet (BVSc5) class representative. Due to the COVID-19 pandemic, she was unable to attend the World Veterinary Association Congress in Auckland this year. Grace

has always liked the team environment that sport offers, and has played and umpired games at competition level. In 2018 she was a member of the Massey University netball team that won the National University Games Netball Tournament. In 2015 she spent 10 days sailing on the Spirit of Adventure as part of her Gold Award for the Duke of Edinburgh's Hillary Award. In 2019 Grace fulfilled a lifelong dream of attending classes in New Zealand Sign Language.

MASSEY UNIVERSITY

Emily McLaren

Emily McLaren from Napier is completing a Bachelor of Veterinary Science at Massey University. At university, she was a member of the Massey Student Emergency and Critical Care Society that discusses emergency and critical care cases. Participation is not possible this year due to the COVID-19 pandemic and the need to study online. Away from university, Emily is a volunteer at Phillips Equine, a riding school, where she helps to make sure the school-age children are safe around the horses. She also leads groups on rides, and helps with general horse care. Her other interests range from science and technology to netball and volleyball. Between 2016 and 2019 she held leadership and mentoring roles in a two-week Rotary programme, run with the help of AUT, Auckland University and the Albany, Auckland campus of Massey University. The programme for Year 12 students explored the fields of science and technology. In 2016 and 2017 Emily was a Manawatu Under 19 representative in netball.

MASSEY UNIVERSITY

Nila Taylor

Nila Taylor from Otaki, Kāpiti Coast is completing a Bachelor of Veterinary Science at Massey University. With a passion for service, this top scholar enjoys helping animals thrive in their natural environment and when displaced from this, and has volunteered at the Newtown, Wellington and Palmerston North SPCAs. Of particular interest to Nila are projects that help to create sustainable communities. Nila has been a longstanding member of the Jane Goodall Institute's National Youth Council, and was a delegate to a week-long Roots & Shoots conference, hosted by Dr Jane Goodall at Windsor Castle in 2018. Closer to home, Nila has worked with community groups and schools to develop community gardening projects for children in Palmerston North. Passionate about the environment, in 2019 she volunteered at the Palmerston North City Environmental Trust's Reel Earth film festival.

MASSEY UNIVERSITY

Shanelle Soothill

Shanelle Soothill from Hawera is studying for a Bachelor of Veterinary Technology at Massey University. She enjoys caring for animals, and is well on her way to becoming a veterinary technologist. After graduating in 2020, Shanelle intends to return to her Bachelor of Science majoring in Animal Science and minoring in Statistics that she started in 2017. She wants to put all she has learned to good use back in Taranaki, where she will focus on small animals such as dogs, cats, guinea pigs and rabbits. She hopes to work in a practice alongside veterinarians, supporting them with surgery, dentistry, client consultations and other tasks. After

working for several years, Shanelle would like to specialise in radiology, behaviour, or emergency and critical care. She is also interested in working in her local area as a veterinary technologist at a zoo or similar environment. A hard worker with a 'never give up' attitude, Shanelle aims to make a positive difference in the lives of as many animals as she can.

'Charity' is one of the cornerstones of Freemasonry

To be concerned for those in need is an essential quality of a Freemason's way of life.

For centuries Freemasons have given to those needing assistance. Freemasonry is the oldest fraternal organisation in New Zealand. It was first organised in England in the early 17th century (but its origins go back much further) when 'charity' was the term for acts of giving to those who had little.

Today, Freemasons still practise this virtue and 'charity' is still the name we use to describe our support for the many programmes of assistance we operate in the community.

The Freemasons University Scholarships are funded by The Freemasons Charity — the body within the organisation responsible for all the assistance we provide in many different fields, both directly, and by providing a helping hand to the 219 Masonic Lodges throughout New Zealand working in their own local communities.

Traditionally, Masonic assistance has been known for its place in helping the elderly. Our involvement in the provision of retirement villages throughout New Zealand, helping to set and maintain standards for the care of our older citizens, has been the face of Freemasonry. This work continues. But as society has changed so has our Charity diverged and education has become a spearhead.

For over two decades the Charity has provided major funding for research at the University of Auckland — for gerontology, brain disease and a Freemasons Chair of Neurosurgery; and at the University of Otago — for paediatric research.

The Freemasons University Scholarships have existed for many years, starting in a humble way

42 years ago. They have now grown in size and stature to represent a significant boost to students' academic or worldly progress into their careers. They are highly valued and vigorously competed for at all universities and the winners are invariably outstanding students and young citizens. But the unique feature that distinguishes a Freemasons scholar is not an academic one but the quality of human caring so valued by Freemasons.

So why such an emphasis on education? Because Freemasons believe that knowledge is the source of individual freedom and leads to greater understanding and tolerance which builds peace and unity among all people.

The Freemasons University Scholarships programme has been running for many years encouraging students to go on, to do even better, to learn and contribute to our society.

We also will go on, striving to reach our ideals.

Freemasons New Zealand
PO Box 6439, Marion Square
Wellington 6141

