



The 2021-22 On-Ice team, left to right, Conor Tulloch, Al Fastier, Nicola Stewart, John Taylor, Belinda Hager, Jane Hamill, and Zac Bennett. © Anthony Powell

Meet the Conservation Team

Following a mandatory two-week period of isolation, the Trust's On-Ice conservation team deployed to Ross Island, Antarctica in early December. They will undertake our annual conservation programme at the historic explorer bases of Captain Robert Falcon Scott, Sir Ernest Shackleton and Sir Edmund Hillary that are under the Trust's care. The team, led by Al Fastier, the Trust's Programme Manager Ross Sea Heritage Restoration Project, will spend the next two months addressing some of the more complicated conservation issues facing the sites and continue the programme of maintenance and monitoring as part of our ongoing care of the sites.

We are excited to have a team of four who will winter-over in Antarctica in 2022 at New Zealand's Scott Base, continuing our ongoing conservation programme for the 20,000+ objects as part of our Ross Sea Heritage Restoration Project. This is the first time the Trust has run a winter conservation programme since 2014. Our team of professional conservators will carry out focused re-treatment of vulnerable objects, including a large number of iron alloy artefacts. They will select these objects during the summer and transport them to Scott Base where they will work on them in a laboratory

between February and October 2022, before the objects are returned to the huts next summer.

We are excited to welcome six skilled and dedicated professionals to the team. They are Conservators Jane Hamill, Nicola Stewart, Conor Tulloch, and Belinda Hager, and Heritage Carpenters John Taylor and Zack Bennett.

While half the team are experienced Antarcticans, working in Antarctica will be an exciting new experience for the others.

Jane Hamill is a specialist in the conservation of metals, and has previously spent two winters in Antarctica working for the Trust in 2010 and 2011. Nicola Stewart is the Collections Officer responsible for Taupō Museum's historic collections. In 2006 she was part of the Trust's first conservation team to over-winter in Antarctica. "I have since spent five more seasons on the Ice since then and I'm thrilled to be heading south again," said Nicola. John Taylor is a ranger with the Department of Conservation in Golden Bay, New Zealand. He was part of the Ross Island Conservation Team for the 2010-11 summer season, and the field camp installation team working at Cape Adare in 2019. "I'm excited to work with the

Trust again. This season I will be providing support focused on building conservation," says John.

For Conor Tulloch, working in Antarctica will be an exciting new challenge. He has worked as an object conservator for the last nine years in museums in Ireland, the UK, and New Zealand. "I love the outdoors and I was trying to move out of the city. It looks like I've succeeded! I'm looking forward to experiencing the long days and nights of Antarctica," said Conor.

Also embarking on their first deployment to Antarctica are Belinda Hager, who runs a private conservation practice on the Kapiti Coast, New Zealand, and Zack Bennett, who has spent his career restoring and conserving antique furniture, making high end traditional furniture, wood and stone carving, and restoring and building pipe organs. "I'm passionate about the outdoors and very excited to be spending my first summer season on the Ice," said Zac.

For news on the team's achievements over the summer Antarctic season, keep an eye on the Trust's website and social channels.

 Visit nzaht.org to learn more

Expedition Team Prepare

Antarctic Heritage Trust's Inspiring Explorers Expedition™ Mahu Whenua Traverse team met in Queenstown, New Zealand in September to prepare for the expedition they will undertake in winter 2022.

The Trust has selected a team of seven Inspiring Explorers from throughout New Zealand through an open application process. They will be a part of the first official expedition to cross the Mahu Whenua Traverse, a new 50-kilometre route through the Harris Mountains in New Zealand's Central Otago region.

The team includes Isaac Giesen, Libby Clifton, Emily Wilson, Ana Ross, Blake Hornblow, and two students from local Wakatipu High School, Cameron Marshall, and Sam Davis. The Inspiring Explorers will be joined by Mountain Turk Club founder Erik Bradshaw and Trust representatives.

The Traverse, which runs between Treble Cone and Coronet Peak features 'Turk' accommodation - 26,000-litre water tanks that have been converted into huts. Antarctic Heritage Trust pioneered Turk huts in Antarctica, at our Cape Adare field camp.

After the expedition (set for winter 2021) was initially postponed due to snow conditions, then due to the COVID-19 outbreak in New Zealand, the Trust took the decision to defer the expedition until winter 2022. Undeterred, the team gathered for three days of team building and skills training.

After learning about the Trust's work conserving the early explorer bases in

Antarctica, the team joined guides Steve Schreiber and Thomas Vallietet (PEAK Experience) at the Remarkables ski field for mountain safety training.

On day two the team headed out for a day of ski-touring in Soho Basin along with an avalanche exercise scenario. On the final day, the team walked into one of the Mountain Turk Club's alpine huts known as Turks.

The team are already enthusiastically looking towards next year's expedition and enjoyed meeting each other and improving their skills.

Inspiring Explorer Isaac Giesen says, "Exploration for me is life, it's living. Every breath we take is exploration of something new and different. I've lost a number of friends to suicide, so for me exploration is just being a part of it. If you've grown up in New Zealand and looked at the five dollar note, that is the key to exploration - Sir Ed on the five dollar note."

For Inspiring Explorer Emily Wilson exploration is important because it's about facing the unknown. "It's about building resilience and confidence in yourself to face things you might not expect. It helps us grow as people and be better versions of ourselves," said Emily.

The Trust thanks sponsors Queenstown Park Boutique Hotel and The Remarkables and Coronet Peak ski fields.



Visit nzaht.org for more photos and videos



A student at St Mary's Primary School in Hokitika takes part in the Hillary's Hut Antarctica Virtual Reality Experience. © AHT

Kiwis Visit Sir Ed's Hut through Virtual Reality

Over the last year the Trust has been touring our fully immersive virtual reality experience of Sir Edmund Hillary's Antarctic hut around New Zealand. Thousands of Kiwis from primary school students to nonagenarians have had the opportunity to virtually 'step inside' New Zealand's first expedition base in Antarctica. Another 13,500+ people globally have interacted with the online versions via the app and gaming platform Steam.

The positive feedback about the experience itself and the opportunity to learn more about New Zealand's history in Antarctica, means that with continued support from sponsors, the Trust is delighted to announce it will continue to tour the VR experience throughout New Zealand in 2022.

In addition, the Trust has created a new version of the experience that allows for greater exploring and more interactions, which will be launched early next year.

Book your 2022 visit now by emailing g.rolan@nzaht.org.

With thanks to Principal Sponsor Ryman Healthcare and New Zealand Tour Sponsor Dulux NZ and project partners Auckland University of Technology, StaplesVR and logistics partner Antarctica New Zealand. Grateful thanks to donors to the Trust's Inspiring Explorers™ Fund.

"Hillary is very important to me and to my family. I am from Nepal, without him I wouldn't have an education. Thank you for giving me this opportunity, this was an amazing experience."

Joshep B, student, Ara Institute of Canterbury, New Zealand.



To find out more visit nzaht.org

The team gather to prepare. L-R: Thomas Vallietet, Marcus Waters, Sam Davis, Emily Wilson, Erik Bradshaw, Steve Schreiber, Cameron Marshall, Ana Ross, Isaac Giesen. © AHT



Visit Cape Evans via Podcast



Francesca Eathorne, AHT Chief Operations Officer and Al Fastier, AHT Programme Manager Ross Sea Heritage Restoration Project record the podcast inside Scott's Cape Evans hut. © AHT/Nicola Stewart

The Trust has published a podcast featuring a series of short interviews captured on location in Captain Robert Falcon Scott's *Terra Nova* hut during the 2019 Antarctic season by Francesca Eathorne, Trust Chief Operations Officer. Conservator Nicola Stewart, and Al Fastier, the Trust's Programme Manager Ross Sea Heritage Restoration Project, share the stories behind conserving more than 11,000 artefacts left behind by the early explorers; and how using the applied science principles of conservation an international team of experts have been able to conserve the base so that it is weathertight for decades to come.

The podcast includes a first-hand account of living in the hut from an archival interview with Thomas Clissold, the expedition cook, and an evocative account of finding Scott's missing polar party told by expedition physicist Sir Charles Wright.

The podcast is available on the usual podcast channels including Spotify and iTunes, and an enhanced content version is available on the Trust's website, featuring a map of the hut with photo galleries and the audio files connected to each space within the hut.



Visit nzaht.org/share/ to learn more

Paddling in Worsley's Wake

In November, the Trust brought together twenty students from around Canterbury, New Zealand for an opportunity to follow in Frank Worsley's footsteps. They built rafts and paddled them in Akaroa Harbour and explored bush near his home - just as Worsley did as a child while growing up in the small seaside town of Akaroa on Banks Peninsula.

The Young Inspiring Explorers™ Worsley Weekend gives year 7-9 students the opportunity to connect with the spirit of Antarctic exploration by learning about the life and exploits of Frank Worsley through a walking tour of Worsley's home town. The students visited the house where he was born, his bust, and heard from Worsley historian and author Wendy Dunlop while visiting a Worsley exhibition at Akaroa Museum.

They were also challenged to step out of their comfort zones as they learned some of the skills needed to be an explorer like Worsley. They overcame fears and fostered team work on a high ropes course, tried out traditional navigation techniques with a sextant and developed map reading skills through orienteering.

Keira, aged 13, said, "It's important to step outside your comfort zone to push yourself, learn new things about yourself, and develop qualities that you didn't know you had. What

I like about exploring is how good it makes you feel when you achieve something or get somewhere."

One very special part of the weekend was hearing from two of the Antarctic Heritage Trust's Inspiring Explorers™ alumni. The students were enthralled to learn about Anzac Gallate and Sadra Sultani's Inspiring Explorers Expedition™ to the Antarctica Peninsula in 2020, and to try out Anzac's Augmented Reality activated *My Explorer Journal*, created to share this experience of

Antarctica.

Having completed the Worsley Weekend, the students shared their experiences at a special morning tea, where they were welcomed into the Antarctic Heritage Trust's Alumni Programme.

The Worsley Weekend is delivered by the Trust in partnership with William Pike Challenge and supported by donors to the Inspiring Explorers™ Fund, Christchurch NZ, The Christchurch Antarctic Office, and Akaroa Museum.



Students on the Worsley Weekend built rafts and paddled them on Akaroa Harbour, just as Frank Worsley did as a child. © AHT /Anna Clare

Alumni News

Diana McCormack

(Conservation Ambassador Summer 2017-18), Head of Conservation at the National Museum of the Royal Navy recently discovered a 127-year-old coin placed under the mast of Vice-Admiral Lord Nelson's historic flagship, HMS Victory. "In the laboratory I removed as much of the corrosion as possible...There has been a little bit of loss to the coin surface from the impact of the mast, with upwards of 21 tonnes resting on it, but I was able to clean enough of the sound surface...to date it as an 1894 farthing," said Diana.

Doug Henderson

(Heritage Carpenter 2016-17) has carried out essential maintenance on three Nansen and Tamworth style sledges that will be used by Antarctica



Doug Henderson working on a sledge. © AHT

New Zealand for scientific work on the Ross Ice Shelf this season. Doug has rebuilt some of the runners that were cracked, and is replacing the lashings. The sleds were then brushed with linseed oil to finish the maintenance process. The sledges are at least 50 years old and they are still going strong thanks to the skill of craftspeople like Doug.

Helene Muschamp

(Young Inspiring Explorer 2019) has completed a series of hikes for her Duke of Edinburgh Bronze Level Award. She volunteers at her athletics club and has been making workout videos for the two to six years olds she coaches. Helene is also learning to knit and is making squares to sew together into blankets for donating to Auckland's Starship Children's Hospital.

Hollie Woodhouse

(Inspiring Explorer 2018) and fiancé Brad welcomed baby Toby in August 2021.

Jamie Clarke

(Conservator Summer 2010-11) is now based in Auckland after spending a couple of years living in Singapore. He is working in software and back office automation solutions, and Jamie and his wife Emily become parents this year with the birth of their daughter Arabella in May.

Sarah Clayton

(Conservator Summer 1997-98, Summer 1998-99, Winter 2006, Winter 2011). After almost 22 years at the Australian War Memorial, Sarah is retiring from the role of Senior Conservator, Textiles. Her work has been focused on preventive conservation, collection hazard mitigation, risk assessment and developing safe work methods for hazardous collections, including some surprisingly hazardous textiles. In 2022 she will be moving to New Zealand with her partner and is looking forward to building a Passivhaus in Methven, south-west of Christchurch and developing a large vegetable garden on their acre property.

Ted Bugg

(Conservator Summer 2007-08) is retiring from active duty with the Tasmanian Parks and Wildlife Service in late 2021.

William Pike

(Inspiring Explorer 2017) has celebrated the ten year anniversary of the William Pike Challenge. Started with a vision to prepare young people for the future, it has been a great success with over 15,000 students participating. William says, "Every day I see or hear about a student who has stepped outside their comfort zone or made a difference in their community. I do need to acknowledge the teachers and schools who've partnered with us - thanks for believing in our vision and giving your tamariki a head start in life."

Annual Report

The Trust's 2020-21 Annual Report is now available on our website at nzaht.org.



Recollect Update

In October, the Trust welcomed four new staff to the team, (left to right above) Digital Collections Technicians Mark Sanders, Ella Beckett, Anne Gabriellsson, and Lynette Hartley. Over the next two years the team will work to transition the Trust's current image assets to an online database called Recollect, and develop a public website portal that will make an extensive collection of images available to the public.

In Memory - Dame Catherine Tizard

In October, Former Trust Patron-in-Chief and Governor-General of New Zealand Dame Catherine Tizard passed away at age 90. Dame Catherine was a trailblazer for women in public life in New Zealand, becoming Auckland's first female Mayor and New Zealand's first female Governor-General. The Trust is immensely grateful for her support as Patron-in-Chief from 1991 to 1996.

Thank You

to our new Antarctic Explorer Members :

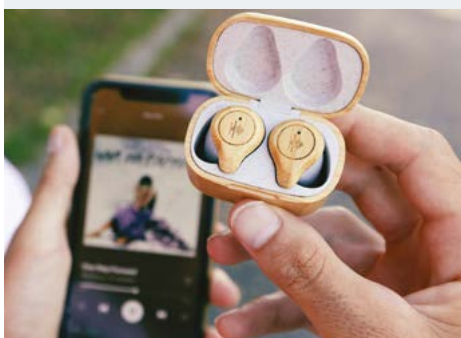
Gold Tony Butson (NZ)

Silver David North (NZ)

Bronze Nick Singleton (NZ)

If you love the Trust's work and want to make a gift to continue the legacy of exploration visit nzaht.org. This holiday season, your donation will be matched dollar-for-dollar up to \$5,000 until 31 January 2022.

ToaPod Supports the Trust



Every purchase of ToaPods will benefit Antarctic Heritage Trust as one of the selected charities.

Mike Dawson (Inspiring Explorers™ mentor and Governance Intern) has developed a sustainable personal electronics brand, Toa Music. Over the last year, Mike has been working with audio experts and designers to create the ToaPod, a stylish bluetooth ear bud made from biodegradable, renewable materials, with outdoor activities in mind. Every purchase will also benefit Antarctic Heritage Trust, as ten percent of sales go to selected non-profits with a focus on outdoor and environmental stewardship. The Trust is delighted to be chosen as one recipient of this donation. Visit toamusic.co to make a purchase.