



## KiwEE News No.28 (November 2018)

### **Comment from the Chair**

Kia ora koutou

This is the last edition of KiwEE News for this year. I hope that you have all had a successful year.

I was very fortunate to be awarded one of the two reciprocal registrations to attend the Australian Association for Environmental Education's biennial conference that was held at the Southern Cross University's campus at Coolangatta in October. Six New Zealanders attended – Chris Eames, Allen Hill, Claudio Aguayo, Fariba Mostafa, Elisapesi Hepi Havea and myself. Here is a photo of us at the conference.



The conference began on a Sunday with a research symposium. The symposium focused on environmental education research that had already been carried out and its possible future directions. The highlight was a post-panel discussion hosted by Allen that was modelled on the Seven Days television programme. I don't think that many of my Australian colleagues had seen this programme and were wondering about how Allen was awarding the points!

The conference began on the Monday morning with two keynote speakers. There were keynote sessions every day and these speakers were not from the environmental education field. Instead the speakers were involved in some type of environmental activism – for example Chris McGrath, a barrister who fought environmental cases in the courts; James Whelan who trains activists; and Wild Mob (a group of youth ambassadors). There were also two Showcase sessions where we were introduced to the wildlife photography of Richard Wiley and the organisation Doctors for the Environment, who are advocating for the reduction of greenhouse gases due to the detrimental effects of climate change on human health.

Throughout the conference there were a range of research papers and workshops that one could attend. Research and workshops were available across all sectors – from early childhood to tertiary education, as well as informal community settings. There was no clear theme, such as climate change education, but rather a broad range of foci – from place-based education, to examining how to nurture youth leaders, to building species hotels and incorporating dance and drama into an environmental education programme. The informal sector were widely represented, from zoos, app designers, as well as educators from many education centres.

There were two presentations that showed this broad range. One was focused on the Knitting Nanas Against Gas (KNAG) – a group of older women who protest about issues involving non-renewable industries in Australia by sitting outside offices and mining sites and knitting (see <https://knitting-nannas.com/>). Lorraine Larri, who is involved in this organisation gave a presentation entitled Nannogogy: Social movement learning meets older woman eco-activism. Lorraine is studying the rise and evolution of this movement for her doctorate. Listening to Lorraine telling us about what this group of older women, who one doesn't usually associate with activism, had achieved in terms of halting the extraction of coal and other non-renewable energy sources was inspiring.

The other presentation showcased a new app that had been developed to encourage people to plant native plants. Evidently, Australia has a higher number of endemic plants than New Zealand and like New Zealand, introduced plants are becoming pests. This app, called Gronative, was able to use your street address to list the native plants that would suit your particular garden habitat, provide links to nurseries nearby that stocked these plants (but not Bunnings and this was emphasised), and even offered 15 different garden design styles that you could use (such as Japanese or Italianate). Unfortunately, it is only available for Southeast Queensland but I thought it was a very impressive idea and would be very helpful for people in New Zealand.

I left this conference having learnt about a wide range of research and ideas and would like to thank the AAEE and NZAEE for providing me with the opportunity to attend. I would highly recommend anyone thinking about attending the next AAEE conference in 2020 to get organised and go. It is being held in Western Australia south of Perth.

On behalf of the National Executive, I would like to wish you, your families and your friends all the best for 2019.

Mā te wā  
Sally

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## **Celebrating Successes of Te Hiku o Te Ika Rangatahi**

Marty Taylor is a member of our National Executive. He established Papa Taiao Earthcare, a project-learning enterprise that is working with rangatahi towards a more sustainable future. Below is an extract from their 2018 Progress Report which celebrates the achievements of Te Hiku rangatahi.

Papa Taiao has its roots in the Far North and we have been working there the longest. As a result our brand and community connections are strongest there. So, it is no surprise that we have experienced our greatest successes in the Far North.

Papa Taiao entered 9 teams from the Far North in the Young Enterprise Scheme regional awards. The Young Enterprise competitions follow a very western model of enterprise where there is a focus on commercialising student ideas through management, human resource, marketing, sales, production and economics. Some of our groups excel in this format. Others have not.

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Papa Taiao's model promotes a more social enterprise approach. Our aim is to be more sustainable. For this reason, we place emphasis on the social, cultural, environmental as well as economic dimensions of enterprise. In some situations our taiohi have abandoned the commercial model in favour of the more sustainable social enterprise model. Our support has been led by taiohi but in all cases we wrapped the delivery in Papa Taiao kaupapa and our understanding of Kaitiakitanga (see below).

Papa Taiao's social enterprise approach places the focus on problem solving, collaboration, persistence, project management and sustainability.

Overall the Papa Taiao approach to our taiohi enterprises appears to be bearing fruit in Te Hiku o Te Ika. On 26 October, Papa Taiao taira were rewarded at the Northland Regional Awards ceremony. Below is a list of nominations and achievements from the evening:

- Excellence in business management: Finalist - Native Goodness (rongoā balm), Hokianga Sustainable Fertiliser
- Excellence in Communication: Finalist - Hokianga Sustainable Fertiliser
- Excellence in Technology: Winner Tasty Tio
- Award for commitment: Finalist - Tasty Tio
- Excellence in Sustainability: Finalists Hokianga Sustainable Fertiliser , Native goodness
- Excellence in Sustainability: Winner Hokianga Sustainable Fertiliser
- Best Maori business: Finalists- Tasty Tio, Te Hiku Oysters, HSF, Native Goodness
- Enterprise Champion: Finalists Allen Karena, Aaron McCloy
- Managing Director of the Year award: Finalists Pepi Griffiths, Ebony Reihaha, Sahara Lee Cash and Iripareruakura Te Tai
- Innovation and growth potential award: Finalists Tasty Tio, Te Hiku Oysters and Hokianga Sustainable Fertiliser
- Innovation and growth potential award Hokianga Sustainable Fertiliser winner

Our big award winner on the night was Hokianga Sustainable Fertiliser. They won two regional awards and a National Excellence Award that will be announced on 6 December at the Young Enterprise National Excellence awards ceremony in Wellington.



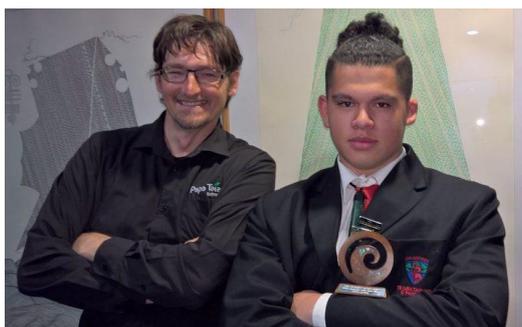
*Panguru Area School students Maui Te Tai, (left) Miti Morunga, John C Martin and Allen Karena promote 'Hokianga Sustainable Fertiliser.' Photo / Debbie Beadle Northland Age*

Tasty Tio had their first harvest on 16 October. This project grew out of a desire to offer young people more opportunities in the Far North. The rangatahi involved have shown grit and persistence to reach this point. Tasty Tio have been offering tuakana support for Te Hiku Oysters who hope to have their spat in the Parengarenga Harbour very soon. They earned more \$9000 and the profits were shared between the five team members.

Te Hiku Oysters are planning to continue Tasty Tio's farm at Parengarenga and are in negotiations to get 5-10,000 dozen spat out before November to harvest in 2019.

Allen Karena, the leader of Hokianga Sustainable Fertiliser, also was named the winner of 2018 Trustpower Youth Community Spirit Award.

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*Papa Taiao scientist Aaron McCloy and Panguru Area School student Allen Karena, Northland winner of the 2018 Trustpower Youth Community Spirit award Photo: Te Kura Taumata O Panguru / Facebook*

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### **In Memoriam – Janet Holm**

It is with sorrow that we note the death of Janet Holm. Janet Holm, a remarkable environmentalist and person, and long-time NZAEE member, died in Wellington in July this year at the age of 94. She was born in Canterbury and lived most of her life in Christchurch where she embarked on and relentlessly pursued many environmental causes.



Janet was a founding member and on the first committee of the New Zealand Association for Environmental Education, formed in Christchurch in 1984. Through the decades she was a member, an advocate for and strong supporter of the Association. After the national committee later moved to Auckland, it went into abeyance for a while. Janet regretted this and when environmental education got another kick start in Christchurch in the early 1990s, Janet played a major role in this. The NZAEE was eventually revived there in 1994 and Janet was again an active part of it through the 1990s. The Christchurch-based national NZAEE committee, of which Janet was one, was a determined driver behind the inaugural national environmental education strategy Learning to care for our environment (MfE, 1998).

The NZAEE was only a part of Janet's life as an environmental educator. For example, she was horrified at the terrible air pollution in Christchurch in the late 1960s and became a member of the Clean Air Society and dedicated activist for clean air. She organised a display on air pollution and put it up wherever she could. She contacted schools offering herself and other speakers to talk on cleaning up Christchurch's air,

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wrote articles, and spoke to numerous university and government groups and interested professionals. As an activist for this cause, she was a part of lobbying of government that eventually resulted in the Clean Air Act 1972.

Janet attended the first United Nations Conference on the Human Environment in Stockholm, 1972, as one of 10 non-government representatives. When talking about this significant conference, she said, "... time and again ... we reminded ourselves that we must return to our own countries more than ever dedicated to the cause of the total environment. We must stimulate an essential, growing interest in the problems of our planet, and emphasise at every point the real importance of each one of us in this vital work ... What was needed was to spread the information out to the community so that the ripple effect started".

This set off Janet's drive to found the first Environment Centre in New Zealand in Christchurch in 1973. Janet organised the first New Zealand environment conference, the 5-day Environment '77 conference, in Christchurch in 1977, working largely on her own over two years – in the days before photocopiers or word processors. "I would sit up and write letters after the children had gone to bed, sometimes till 2 o'clock in the morning writing letters ... to anybody that could have been the slightest bit interested." Over 500 people attended from all over the country, "... lecturers, professors ... people of every size and shape, and about 100 papers were given."

Bing Lucas, former director-general of the Lands and Survey Department, and the first Director of National Parks and Reserves, afterwards told Janet that "... your environmental conference has changed the entire face of the environmental movement in New Zealand."

Janet was behind many first environmental education initiatives including local radio and television programmes. On retiring from the university in her sixties, she wrote three books on New Zealand history, including one on early New Zealand surveyors.

Janet was awarded the MBE for services to the environmental movement in 1988, the Environment Canterbury Outstanding Achievement Award in 2004 and the A.C. Rhodes Memorial Award from the Canterbury History Foundation in 2005. In 2005 she became the first woman appointed as an honorary member for the New Zealand Institute of Surveyors.

A memorial service was held in Christchurch on 17 November and the National Executive of NZAEE made a contribution.

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## **My experiences and learning at the AAEE 2018**

Elisapesi Hepi Havea

Elisapesi attended the recent Australian Association for Environmental Education conference and was a recipient of one of the complimentary registrations that are available through our Memorandum of Understanding with our Australian colleagues. As part of receiving this registration, Elisapesi wrote this report about her experience.

This conference created a platform for individuals from a variety of backgrounds and experience levels to learn and network with one another, including environmental educators, higher education lecturers and students, researchers, scientists, community leaders, youth groups, school students, school teachers, and programme managers. The conference sessions and the presentations formats were very engaging and very productive for me.

Based on the presentations that I attended at the conference, one of my take-away messages is the importance of building students' awareness about environmental issues. For me, building students' awareness would probably be the first thing we educators need to consider. Getting students to act or to participate is of course essential, however, students' awareness may influence their ability and willingness to act.

Using outdoor activities to enhance students' awareness of environmental issues was a strong theme in this conference. The presentations and the workshops that I attended challenged me in a way that my

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focus needs to include more outdoor activity-based learning. I learnt that when students become involved more in outdoor activities, there is a possibility for them to become more aware of what is going on in the environment because they could visit and see the issues themselves.

Attending this conference also gave me an opportunity to present my research to a wide range of environmental educators and experts, and to hear their constructive comments and feedback was very rewarding and very encouraging. Some of the delegates who attended my presentation were so interested on how I developed 'talanoa' as a method of teaching and learning climate change in Tonga. I also managed to build a network with people who are interested in my work and people whose work I was very interested in as well.

I would like to acknowledge NZAEE for gifting me one of the complimentary registrations provided by AAEE to attend this conference. Your help and support enabled me to attend the conference. In our Tongan culture, there's a saying:  
"Ko e koloa 'a Tonga ko e fakamalo" (Our thanks is the only treasure we have to give in return)  
Malo 'aupito (Thank you very much).

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## Enter the Seaweed 2019 Ocean Champion Challenge



NZAEE Seaweed is delighted to announce that entries are now open to find our Seaweed "Ocean Champions" for 2019.

This year's Ocean Champion competition requires entrants to undertake a specific Ocean Challenge to help solve a problem in the marine environment. Junior entrants (under 16) will all be entered into a prize draw for a selection of fantastic spot prizes.

Senior entrants will outline their challenge, the problem they are trying to solve and how they will measure success. All senior entrants will be featured on the [Seaweed website](#) and voting will take place during February on the Seaweed website to choose the winner who will receive a prize package equivalent to at least \$500 to support their work sponsored by the New Zealand Coastal Society. All senior challenges must be completed by the end of March 2019. Entries will close on Friday 21 December 2018.

So head on over to the [Seaweed website](#) and enter your Ocean Challenge now!

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## Global pledge for Environmental Action

The Global Environmental Education Partnership brings together environmental education leaders from around the world. To mark the 40th anniversary of the Tbilisi Declaration in 2017, a milestone in the development of the field of EE, the GEEP developed a Call for Action which outlined 10 actions for the future (<http://actnowforee.org>). Hundreds of educators around the world [vetted these 10 actions](#) and helped outline key areas of focus for the field, highlighting the need to mark Tbilisi+40 with a commitment to build on the great work that's been done and think ahead to the future.

GEEP have launched a [global pledge for EE](#) for people from all cultures, ages, walks of life, and professions to sign, committing to work towards three core goals:

Every nation has an environmentally informed, empowered, and active populace and workforce. The leadership of every government, business, NGO, and educational institution uses environmental education to achieve environmentally sustainable outcomes.

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Every educational institution—formal and nonformal--incorporates environmental literacy into its mission, goals, and activities.

Take a moment to **READ, SIGN, and SHARE** the pledge, and as you read through the pledge and 10 actions we encourage you to consider how you and/or your organization can take part in this effort to promote universal environmental literacy. By signing it, you are endorsing these long-term goals and committing to do your part to achieve them (such as through the 10 actions!).

The GEEP will also build on the pledge and these actions by offering resources to share what others are doing and how to improve our practice to strengthen our collective impact.

Sign the pledge on behalf of yourself or your organization here:

<https://actnowforee.org/pledge>

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### **Whitebait management survey**

DOC is responsible for making sure there are healthy populations of whitebait in our rivers and the whitebait fishery is sustainable. Whitebaiters tell us their catches are smaller than they used to be. Four of the six whitebait species are classified as At Risk or Threatened. What should we do?

The first step is to ask all New Zealanders to tell us what they think about whitebait management. We're collecting views from all over the country from now until 7 January 2019.

This process isn't a consultation and no decisions are being made at this stage, but what you say is important and the information gathered will shape what happens next.

[Take our online survey](#)

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### **Course**



#### **Master in Education Degree**

The University of Waikato offers a Master in Education degree focussing in environmental and sustainability education. You can study for one paper alone, or work towards several papers and research for the full Master's degree.

The next paper offering begins in February 2019 with STER513-19C(HAM) Environmental and Sustainability Education. This paper involves two days on campus in Hamilton, February 22/23, followed by online supported learning at your place until early June 2019. This is a great introduction into academic study in this area. For more information visit <https://education.waikato.ac.nz/tems/> or email Chris Eames at [c.eames@waikato.ac.nz](mailto:c.eames@waikato.ac.nz).

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### **Resources**

#### **Ahi Pepe | MothNet – a new FREE resource in English and Te Reo**

As part of Ahi Pepe MothNet, a set of resources has been developed to help you integrate the MothNet programme into your class. The units are available in either te reo Māori or English or you can download both.

They contain most of the special vocabulary you'll need to talk about moths, pollination and food webs.

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Activities that are fun and hands-on have been included. Our guiding principle is Kaitiakitaka mā te Pūtaiao, mā te Taiao, mā te mahi Toi - Stewardship through Science, Nature, and Art.

[Click here](#) to learn more

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### **New Game to Encourage Recycling Correctly**

Check out [Recycle Right](#) and play a fun interactive game to learn how much you know about what can be recycled!

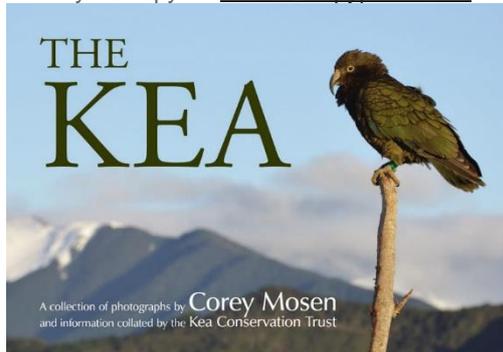
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### **New Book -Ajax the Kea Dog**

Back in 2014 Corey published his photography book The Kea with us. It has been a bestseller ever since. Corey has a new book coming out, published by Allen and Unwin, about his dog Ajax — one of the world's only kea detection dogs. Ajax the Kea Dog will be released this November.

Ajax features in The Kea as well, and the two books complement each other.

Order your copy at [books@copypress.com](mailto:books@copypress.com)



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### **Short Documentaries from LOADING DOCS**

#### **Kārearea**

Fern, a sassy kārearea (New Zealand falcon), worried about the future of her species, is on a mission to change her whānau's bad reputation.

Renowned for their intelligence and personality, the carnivorous kārearea is New Zealand's only species of falcon. Fern a confident young kārearea and spokesperson for her species gives humans a glimpse into her world at The Marlborough Falcon Trust. With numbers as low as 5000 in the wild, these spectacular birds are classified as nationally vulnerable.

Passionate about exposing the dangers facing New Zealand's fastest bird, Fern and her human sidekick Diana Dobson, inspire humans of all ages to play their part in saving this precious bird. Action-packed and laugh-out-loud funny, Fern's first foray into the world of film looks sure to win her flocks of fans.

Director: Jared Buckley

Producer: Sofia MacKenzie

Location: Filmmakers – Auckland. Talent - Marlborough

<http://www.loadingdocs.net/karearea>

#### **What Logan Did**

A tenacious young inventor, Logan Williams (Ngāi Tahu), concocts an ingenious scheme to battle the invasive algae didymo killing New Zealand's rivers.

Posing a massive threat to native wildlife and a river's fragile ecosystem, didymo (discovered in New Zealand in 2004) has now infested many of the South Island's most iconic rivers (including the Rangitata and the Tekapo). Just a single drop of infected water or plant fragment can spread the algae - didymo kills rivers.

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Angered at seeing his beloved waterways decimated by this 'rock snot' and frustrated by the apparent lack of action by 'the authorities', Logan Williams, a 22 year old scientist, inventor and entrepreneur from Timaru, has taken matters into his own hands.

Director/producer: Jane Mahoney

Producer: Josie Cox

Location: Canterbury

<http://www.loadingdocs.net/whatlogandid>

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### **Your 2018 NZAEE National Executive**

Please feel free to contact your national executive members at any time.

Sally Birdsall	Chair	<a href="mailto:s.birdsall@auckland.ac.nz">s.birdsall@auckland.ac.nz</a>
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