

EXPEDITIONS AND EVENTS - JUNE 2019 ISSUE

Information about Waterhouse Club expeditions and events is available on your Club's website: www.waterhouseclub.com. There you will also find Expression of Interest Forms to complete on line, invitations to events and expeditions, and expedition and scientific reports. We will continue to provide paper communications to members who prefer to receive Club news that way. In addition to the offerings below we are also planning other one day and/or weekend expeditions and will send you more information about these as planning progresses.

Recent Adventures



Weddell Seal

ANTARCTIC PENINSULA



Adelie Penguins

February 2019



Antarctic Circle Crossing

COMING UP - SAVE THESE DATES IN 2019

September 10th 2019 – 6.00 to 7.30pm

The life and works of South Australia's Amazing Native Bees – a presentation by Dr Katja Hogendoorn.

Invisible to many South Australians, there are hundreds of native bee species, working alongside birds and mammals as nature's secret agents, quietly building and maintaining the habitats and ecosystems that many animals rely on for food and shelter. Half our diet of fats and oils comes from crops pollinated by animals, and as European bees are under threat from introduced diseases, the role in pollination of native bee species has become a focus of intense scientific interest.

Dr Katja Hogendoorn (Research Associate, School of Agriculture, Food and Wine, Adelaide University) is an internationally recognised authority on Australian native bees. Club Members will be treated to one of Katja's dynamic and fascinating presentations.

Event Coordinators: Alastair Dow and Rose Dow

Tuesday 15 October 2019 – 6 pm

The Waterhouse Club Annual General Meeting

Save this date and look out for the invitation during late September.

Friday 11 to Monday 14 October 2019

Rocks, Fossils, Feathers & Fur – a Kangaroo Island adventure – **Wait list only!**

In the tradition of our hugely popular Kangaroo Island fossil expeditions, this trip will explore the amazing Cambrian trilobites in the Emu Bay Shale, one of the only two such sites in the world, the other being the Burgess Shale in British Columbia, Canada. The Museum's resident 'rock star' Associate Professor Diego Garcia-Bellido, will be our principal palaeontologist. This trip will also investigate KI's famous animals, such as Fairy Penguins, Echidnas, NZ Fur Seals and Sea Lions. Another scientist (to be confirmed) will provide the animal expertise of the trip.

Expedition Leader: Mark Mackintosh

Sunday 20 October 2019 – A one-day expedition

Granites and Glaciers Revisited

This is a re-run of the very popular booked out 2018 expedition. Adjunct Professor Jim Jago (Honorary Research Associate South Australian Museum) will lead us on a geological investigation through The Bluff, Port Elliot and Victor Harbor. We will go back in time and space to almost 500 million years ago, and 5-10 kms below the surface of the Earth where granites formed as molten intrusions into the ancient siltstones and sandstones which later became the body of the Fleurieu Peninsula. We will hear of their journey to the surface of the land, their sculpture by glaciers 250-280 million years ago and ultimate exposure by subsequent climatic events.

Expedition Leaders: Don and Margie Heylen

Tuesday 26 November 2019, 6.00 - 7.30 pm

Fossil Hunting in China and Antarctica – A presentation by Professor John Long, Strategic Professor of Palaeontology, Flinders University

This evening event will appeal to all passionate dinosaur and fossil enthusiasts. John is an engaging presenter and an enthusiastic supporter of the Waterhouse Club who is world renown in the palaeontology community and a highly skilled scientific educator. John will share with us some of his research findings and knowledge of the fossil record of the history of Life on Earth, and the rich collection of bizarre and spectacular dinosaurs of China. We will also learn of John's observations and collections from his recent sojourn to Antarctica.

Event Co-ordinators: Tim Tolley and Margie Heylen

IN 2020

Thursday 19th March to Saturday 4th April. Wait list only!

The Dinosaurs of China. An expedition with Professor John Long

Get up to speed with your grandchildren with this unique experience to visit Dinosaur Museums and to see behind the scenes of some of China's world-renowned feathered dinos and other prehistoric wonders. Other tourist hotspots will be included in this extensive trip across eastern China.

Expedition Leader: Tim Tolley

A weekend in Autumn 2020 (dates to be advised)

Saving the Western Pygmy Possum

Facilitated by the Museum's Professor Steve Donnellan, our Club has an opportunity to be involved in a three to five-year Citizen Science Project which aims to ensure the survival of the Western Pygmy Possum, a small marsupial in eastern South Australia. The species is threatened by the predicted impact of elevated temperatures on its habitat over the next 50 years. The project is likely to span over 2 – 5 years and will initially involve preparing and installing nest boxes in bushland in the Mid-Murray region as well as novel proactive conservation actions such as moving animals to the south ahead of climate change to ensure that vulnerable populations have access to existing arid adapted possums. An information session to brief those interested on the Project will be scheduled for an evening late in 2019.

Expedition Leaders: Gaye and Tim Fischer

October 2020 – IN GESTATION (dates to be advised)

Ediacara Fossils and the Acraman Meteorite: A weekend expedition to the Flinders Ranges.

This expedition will take us to the Ediacaran fossil site in the Flinders Ranges, the home of the State's fossil emblem *Spriggina*. We will witness evidence of first complex life on earth – fossil specimens of such high quality that this location has given its name to a new geological era. We will learn about the Acraman ejector meteorite event and the possible climate change that occurred, and see evidence of the meteorite impact and the geology of the adjacent Flinders Ranges. More information will be available later in 2019.

Expedition Leaders: Don and Margie Heylen

December 29th 2020 to January 13th 2021. Only a few berths remain! Reserve yours now!

The Islands That Darwin Missed: to the sub-Antarctic islands of New Zealand, and Macquarie Island.

These rarely visited islands are volcanic in origin and rose from the seabed as laboratories of evolution. Although it was the Galapagos Islands that sparked Darwin's ideas on evolution, these islands could have provided the same catalyst. As well as close encounters with birds, land and sea mammals amongst magnificent vistas, we will collect insects for the Museum and test evolutionary questions with molecular techniques that were not available in Darwin's day, and witness the extraordinary diversity of animal and plant species that exist on and around these islands.

For the insectophile, photographer, bird-watcher, whale and seal aficionado, this is a very special opportunity. This expedition will feature opportunities to explore, photograph and understand these wonderful places in the company of scientists Professor Phillip Weinstein from University of Adelaide and South Australian Museum, and Professor Steve Donnellan, the Museum's Chief Research Scientist and polymath extraordinaire. Join us for a once in a lifetime hands-on research expedition!

Expedition Leader: Alastair Dow

IN 2021

November 2021 (Dates to be confirmed)

Secure your berth! If you have not already done so express your interest now.

True North Cruise - Sepik River and Bougainville Island

The broad itinerary for this expedition is from Wewak to Buka with charter flights to and from Cairns. This will be a rich learning experience as our scientists have selected sites for scientific content, whilst the *True North* skipper's selection focuses on coral atolls and volcanos, snorkeling, diving and fishing sites, and traditional villages. The Sepik River offers access deep inland where the villagers have evolved a water-borne way of life, contrasting with rugged Bougainville, not long accessible for tourism and relatively 'unspoiled'.

True North herself is well known for her superb appointments, all Australian crew and the great care they take of their passengers. The opportunity to sit and read amidst tropical splendor is also very real; while the ships galley goes to great lengths to make every meal a highlight. It is likely that we will fill all cabins with Club members providing a stimulating collegiate atmosphere. If this sparks your interest, and you have not already done so, you are encouraged to lodge an Expression of Interest to secure priority in taking up a berth.

Expedition Leader: Ant Simpson

As the Club's expeditions and events are frequently over-subscribed we offer you an opportunity to "express early interest" in any of our offerings. You can do this on line at www.waterhouseclub.com, or by completing the form attached, by email waterhouseclub@samuseum.sa.gov.au, or telephone Natalie Rollinson, Membership Liaison Officer, at the Club office on 8203 9802.

This assists the Club to plan with confidence and places your name on a priority list which will be held open for two days following the distribution of invitations closer to the event. However, this does not mean that you are guaranteed a place on the expedition or event as more expressions of interest than places available may be received.

Bookings will be accepted in order of receipt of booking forms with non-refundable deposits and a waiting list will be maintained if necessary.

Please Note: Dates, venues, itineraries, expedition leaders and scientific leaders may change as detailed planning progresses.