

John Ballen for the Calgary Herald

Emperor penguins on Snow Hill Island in the Antarctic in mid-October. The colony wasn't discovered until 2004.

#### Highest birds on Earth

The Emperor penguin, the smaller Adelie penguin, the Antarctic petrel and the South Polar skua are the only birds that breed exclusively on the continent.

#### Snow Hill Island

Larsen Ice Shelf

Weddell Sea

South Pole

Pacific Ocean

Ross Sea

Atlantic Ocean

Antarctica

South Pole

Pacific Ocean

Ross Sea

Atlantic Ocean

Antarctica

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Calgary mystery writer travels 16,000 km to see the enigmatic Emperor penguins of Antarctica

# Scrimmoozing with Emperors

JOHN BALLEW

FOR THE CALGARY HERALD

SNOW HILL ISLAND, ANTARCTICA

From an upper deck of the icebreaker I looked down at the four figures standing on the sea ice.

In the austral twilight they looked like little old men in formal attire, deep in conversation. It was my first glimpse of the enigmatic creature I had travelled 16,000 kilometres to see.

With that same air of unconcerned curiosity their species always seems to display toward human activity, the Emperor penguins were taking note of the long black hull and towering superstructure of the ship that had suddenly appeared in their midst.

Emperors are always curious about us

humans and our activities, but never be-

fore had they had so much to be curious

Calgary Herald Archive,  
Associated Press

about. While it had been suspected for a number of years that a breeding colony existed in the Weddell Sea, it was not until November 2004 that the colony on Snow Hill Island was discovered during a voyage by the Russian ice-breaker Kapitan Khlebnikov, the world's southernmost city

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ALL SEE

Ushuaia is in the Argentinean province of Tierra del Fuego — Land of Fire — so named by Magellan as he sailed through what is now called the Strait of Magellan and saw the cooking fires of the natives on the shore. We were heading down the Beagle Channel — named for the vessel that brought Darwin on his momentous voyage — to the Drake Passage.

There was no uncertainty about what we would encounter in the Drake Passage. Consistent to a fault, it lived up to its reputation for tumultuous seas. It was a case of "one hand for yourself and one hand for the ship" as the Kapitan Khlebnikov rolled and pitched.

This accounted for the novel sight of servers dribbling water on the tablecloths as they set the tables. The idea was to keep the cutlery and dishes from sliding off.

The names in this part of the world are

fascinating and drenched in history.

SEE EMPERORS, PAGE F2

*John Ballen*

## FROM THE

## EMPERORS: Adaptable penguins live in a frozen fantasyland of icebergs

Seasickness bags were thoughtfully placed on every deck. Clinging to the handrails on the bridge, the passengers — those who weren't laid low with mal de mer — were treated to a visual symphony of seabirds. Elegant and elegant on ice floes and minke whales shot through the water like the torpedoes they so much resemble.

Then it was through the Antarctic ice. We passed and entered the quieter waters of Transfield Strait. Fur seals, penguins and seabirds. Elephants and seals. The first iceberg appeared as we left the icebreaker in the Weddell Sea. Erebos and Terror.

Subsequently equipped with new strengthened hulls and watertight compartments, bearing those names had been used by Sir James Clark Ross in a Royal Navy Antarctic expedition.

Subsequently equipped with new牙輪 engines and retractable screw propellers, they carried Sir John Franklin on his ill-fated search for the Northwest Passage. Franklin knew of the two ships from his controversial term as governor of Van Diemen's Land (now Tasmania).

The scene opening before us was a frozen fantasyland. Fabular icebergs, and ice palaces, formed as the ice melted and refroze each year, dotted the magical icescape.

The ice gods smiled on us. Kapitan Khlebnikov easily pushed its way through the loose pack ice and parked at the edge of fast ice off Snow Hill Island, being observed by the aforementioned four penguins.

Having satisfied their curiosity, they uttered their strange, wild call and began to move off. After much thought, I finally decided "braying" came closest to describing that sound, like no other in nature.

To answer the most frequently asked question, the average male Emperor is just over one metre tall and weighs 38 kilograms. The female is slightly smaller.

After waddling for a few steps, the Emperors flopped down on their round bellies and began to toboggan, their preferred mode of locomotion on land. Tomorrow we would visit them at their rookery.

All 17 species of penguins are the product of evolving to accommodate changing conditions in their environments. That change was radical. When

not yet perfect nor complete, it maintains air holes in the ice by nibbling and chewing at the edges. This wears its teeth down to the point where the seal can no longer catch fish effectively cutting the animal's 40-year life span in half.

We lingered overly long in the company of the Emperors. The ice gods (read "winds") turned against us, flowing from the south to fill the Gulf with ice to pack ice (floating ice in which the concentration is 10/10 and no waste is visible). We were pinned up against the lee of an iceberg.

The captain ordered all six of the ship's diesel engines to go on steam, but their 24,000 horsepower made little impression on the ice. After a day of charging at the ice, bucking up and charging again, our forward progress was precisely 3.5 kilometres.

I couldn't help think of Yannal, the nuclear icebreaker that had taken me to the North Pole the previous summer. With his 75,000 horsepower and armoured steel bow, he would have sliced through this ice at 9 km/h or better. (Unlike conventional ships icebreakers are always "he").

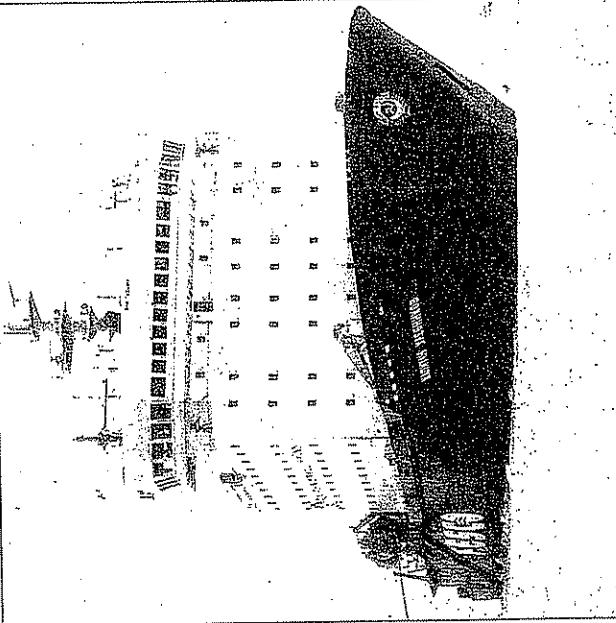
While Khlebnikov strained and shuddered, we consoled ourselves with the knowledge that if the wind shift had occurred a few days earlier, we would never have made it to Snow Hill and would have been forced to turn back without seeing the penguins.

On days like this when there are no landings, the time is spent with informative lectures by onboard experts on subjects such as the life cycle of penguins, seabirds, seals and whales.

In the late afternoon of the second icebound day, we were treated to a unique and fascinating presentation, not by a professional lecturer, but by a passenger. Her grandfather had been the engineer and photographer on the 1901 Scott Discovery expedition, and she had inherited his photos and diaries. Those remarkable black-and-white photographs and diary entries were a direct and personal link to the historic days of polar exploration. Thrilling!

Filing out of the lecture room, at the end of this spellbinding talk, we found ourselves in open water. The deck began to throb under our feet as we picked up speed.

John Ballen for the Calgary Herald  
The Russian icebreaker Kapitan Khlebnikov in the Weddell Sea area of Antarctica.



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The Russian icebreaker Kapitan Khlebnikov in the Weddell Sea area of Antarctica.

we marvelled at the colour of the icebergs compressed over thousands of years into an iridescent aquamarine on both sides and tops.

On the ground, our route to the rookery was marked by flags placed by the staff. We walked over untrdden crusted snow. All too often the crust would give way and we would sink. More than once, as I lifted a leg out of knee-deep snow, I found myself carrying the Emperors smoothly tobogganing past.

At this advanced stage of the breeding season there was a constant traffic of adult birds going back and forth to the sea to feed themselves and their chicks. We were careful to follow instructions and stay a respectful distance away from the birds, but the rules didn't apply to them. Time after time, one or more would waddle over to within a few feet of where we stood and peer up at this strange new species.

The wild braying grew even louder as we drew near to the sprawling rookery. In early spring when other birds were just beginning to think about housekeeping, the chicks —

Pangea, the monolithic land mass, began to split up a couple of hundred million years ago (Calgary was on the equator back then) and the Antarctic continent drifted south, the ancestors of penguins found themselves living in a frigid world with no food supply on land or in the air, but a teeming abundance in the ocean.

With nothing to be gained by flying and no prey to chase on land, wings became flippers and penguins learned to fly underwater. The Emperors carry this to the extreme and, unlike any other bird, never set foot ashore.

Not only do they nest on sea ice, they do it in the depth of the Antarctic winter, when temperatures drop to minus 70°C and blizzards howl. The trade-off for enduring these appalling conditions is almost total freedom from predators.

Our visit to the rookery was designed to cause the least disturbance to the 200 pairs of nesting birds — a short helicopter flight over the ice, landing in the shelter of a grounded iceberg and walking the remaining nearly 2.5 kilometres.

Looking down from the helicopter

JOHN BALLENT IS A CANADIAN LAWYER AND NOVELIST WHO TRAVELS EXTENSIVELY AROUND THE WORLD. HIS 12TH NOVEL, A VICTIM OF CONVENIENCE, A MURDER MYSTERY SET IN CALCUTTA, WAS PUBLISHED THIS FALL.