



ARCTIC VOYAGE EXPEDITION LOG

Baffin Island Explorer

Peregrine Voyager

20 July – 31 July 2007

Ship and Crew Information

Peregrine Mariner

This specially designed scientific research vessel was built in Rauma, Finland in 1989 for the Russian Academy of Sciences Institute of Oceanology. The vessel is designed to carry out scientific research work on the oceans. The Peregrine Mariner was specifically designed and built to transmit long distance submarine acoustics and it is capable of “silent ship” operation to assist acoustic research. The purpose of this research is to examine profile, layers and structures of the ocean floor and the physical and chemical characteristics of the sea as well as the radiation characteristics of the ocean surface and meteorological phenomena.

The ship’s Russian name is the Akademik Ioffe, after Akademik Abraham Ioffe, a nuclear physicist with the Russian Academy of Sciences, who went on to head a research institute in St Petersburg. The Mariner is able to clear 1 m first year sea ice, and is a Canadian class B, Russian class K ice strengthened vessel. It is now owned and run by the P.P. Shirshov Institute of Oceanology, which is the primary oceanographic research institution in Russia and chartered exclusively by Peregrine Shipping.

Port of:	Kaliningrad, Russia	Draft:	6.09 m
Built:	1989 in Rauma, Finland	Breadth:	18.28 m
Gross	6,450	Length (LOA):	117.04 m
IceClass:	KM*L1 (1) A2, Canadian Type B		
Engines:	5,000 kW diesel, twin engine, twin propeller, and 600 kW bow and stern thrusters		

Akademik Sergey Vavilov Crew List

Name	Rank
Leonid Tatarin	Captain
Valeriy Sedykh	Chief Mate
Mikhail Egorov	Second Mate
Denis Borisov	Third Mate & Navigator
Elena Makeenkova	Passenger Mate

Peregrine Shipping Staff

David “Dutch” Willmott	Expedition Leader		
Captain Keith Jones	Ice Pilot	Peter Middleton	Naturalist
Hayley Shephard	Assistant Expedition Leader	Robin Middleton	Guide
Carolina Mantella	Program Co-ordinator	Jim Hargreaves	Guide
Chloe Kurts	Hotel Manager	Stephen Spittler	Naturalist
Stuart Tidswell	Head Chef	Zak Shaw	Kayak Guide
Gerardo Maniscalco	Sous Chef	Dr Colin Lee	Consulting Doctor
Bryce Hitchens	Sous Chef		
Lisa O’Leary	Bartender		
Scott MacPhail	That Guy		
Colin Bates	Guide/Videographer		
Jacques Sirois	Naturalist		



The Daily Log

20th July, 2007

Iqaluit

Time: 1600

Position: Lat. 63° 42' N Lon: 68° 28' W

Sunrise: 03.10 Sunset: 23.15

Barometric Pressure: 1017 mbar

Air Temperature: +3°C

Water Temperature: + 1°

"A large volume of adventures may be grasped within this little span of life, by him who interests his heart in everything." Laurence Sterne

Ottawa dawns too early for many of us as we make ready to transfer to the airport and begin our Arctic sojourn. Rain pours down from skies that are a dreary leaden grey. By eight o'clock, we are all safely installed in the jet and ready to head north to Iqaluit where the Peregrine Mariner awaits our arrival. The three hour flight is made all the more pleasant when breakfast is served: steak, sausage, scrambled eggs, fruit salad, smoked char, strong coffee and tea sets everyone in a good mood. Through holes in the blanket of cloud, tantalising glimpses of a changing landscape appear below. Unbroken forests give way to a patchwork of clear cuts. Slowly these peter out and the rolling rock uplands of the Canadian Shield appear. Approaching Iqaluit, the skies close in once again. The plane finally breaks through the cloud and glides to a smooth landing on the Iqaluit runway, which is bordered by the pink glow of Dwarf Fireweed. Quickly the transfer to the waiting buses is made and we head off for a guided tour of Iqaluit. Highlights are numerous, but visits to the Information Centre and Museum, with their exhibits of Inuit culture and history, are of particular interest. The view from High Ground provides an overview of a town the process of rapid growth. Offshore, the Peregrine Mariner, our home-to-be sits serenely awaiting our arrival. Everywhere flowers colour the tundra, mosquitoes buzz and birds sing. This is Arctic summer.

At four we gather at the launch site and begin our sea-based adventure donning lifejackets and boarding the Zodiacs for transfer to the ship. The run over the windswept bay is bouncy. Occasionally spray sweeps over us. What a way to start our adventure. After a long day, it feels good to finally board the Peregrine Mariner, and settle in. The welcome buffet, safety and lifeboat briefing, lifeboat drill, weighing anchor and getting underway come in rapid fire order and only help to build the levels of anticipation. A scrumptious supper is the precursor of a superb evening when the sun shines through, painting the ancient rocks of Baffin Island in rich shades of claret. A tranquillity descends on the ship as it heads south down Frobisher Bay and the open seas beyond. Exhausted at the end of a long, exhilarating and tiring day we head to bed and dream of what's to come.

Russian Word of the Day: *Spa-see-ba* - Thank-you



21st July, 2007

Monumental Island/South Davis Strait

Time: 0700

Position: Lat: 66°22'N Lon: 65°37' W

Sunrise: 03.10 Sunset: 23.20

Barometric Pressure: 1016 mbar

Air Temperature: +4° C

Water Temperature: + 2° C

“It is blowing so many knots, it’s almost a macramé!” - Sir Rod Ledingham

0645 hrs - our early morning call was more than a breakfast reminder – our first polar bear had been spotted off the port bow. While the ship bore away to starboard to give us a better view, pants and jackets were hastily thrown on and we all rushed forward for our first glimpse of *Ursus Maritimus*, the great white Arctic sea bear. An ivory gull circled overhead hoping to snatch a snack as the bear breakfasted on a fresh kill on an ice floe. Watching warily from a distance the dark chinned heads of several harp seals’ heads bobbed on the surface monitoring the bear’s movements warily. Many different species of birds wheeled above us – Black guillemots, Glaucous gulls, Stiff-winged fulmars and lots of kittiwakes. A second fresh carcass on a small floe told the tale of another successful hunt. There were more bears around.

Hayley made a brave attempt at giving us our Zodiac safety briefing only to be interrupted by an announcement that two more polar bears had been spotted. The meeting was hastily adjourned and once more we were all up on deck photographing another large male bear dozing on a floe. A second bear was swimming close by. The sleeping bear yawned and stretched and then posed for some spectacular profile shots less than fifty metres away. Not even 1100hrs on our first day at sea and we’ve already seen four bears and numerous sea birds. It can’t get any better than this can it? Oh yes it can.

We returned to the Presentation Room for Dutch’s talks on AECO and Polar Bear Safety just before lunch. Our noon position was 62.13N / 64.25W – less than 250 miles south of the Arctic Circle, we are making good progress north. After lunch Peter Middleton gave a fascinating talk about the lives of our now familiar friends the polar bear and then we got suited and booted ready for our afternoon excursion. By then a cold northerly wind had whipped up the waves and we bundled into the Zodiacs and headed for Monumental Island in a growing swell hoping to see some walrus. Visibility was less than 750 yards and the cloud ceiling was down to 300 feet. Close to Monumental Island we spotted another polar bear but this one was a rock climber that ascended a steep mountain gully at a remarkable pace. Now it was time to look for a different kind of massive marine mammal so we headed towards Walrus Island. No walruses were to be found but the afternoon was topped off by our sixth polar bear sighting of the day – a Peregrine Shipping record!

We motored back to the ship in a very large swell and poor visibility with the temperature dropping rapidly. Even a guide or two was seen to shiver but the cold was soon forgotten as we tucked into a delicious hot supper, enjoyed a relaxing glass of wine and looked back on our first day feeling just a little bit pleased with ourselves.

Russian Word of the Day: *Dob-raye oo-tra* - Good morning!



22nd July, 2007

Cumberland Sound

Time: 0700

Position: Lat: 64°33'N Lon: 64°03' W

Sunrise: 03.17 Sunset: 23.13

Barometric Pressure: 1018 mbar

Air Temperature: +2 °C

Water Temperature: +1°

"I find the greatest thing in this world is not so much where we stand, as it is which direction we are moving. To reach the port of haven, we must sail sometimes with the wind and sometimes against it, but we must sail, and not drift, nor lie at anchor." Oliver Wendell Holmes

We sailed into Cumberland Sound – once a premier whaling ground in Canada's Arctic - overnight en route towards Pangnirtung. Conditions were remarkably calm compared to what we had experienced the day before at Monumental Island. Had we been here two centuries ago, we would have probably encountered several Bowhead whales and belugas. Instead we encountered rather abundant sea ice and fog was thick at times. As a result, the Mariner did not move faster than five knots throughout most of the morning. A few harp seals came to breathe on the surface but ice floes were too small for polar bears. Northern fulmars, of the dark, light and intermediate morphs glided by the ship all morning and two Sabine's Gulls, among others, appeared and disappeared in the fog at one point.

By midday, the pack ice became denser, up to 7 to 9/10th at times, and it became clear that we would not be able to reach our destination today. Should we choose to force our way to "Pang", we may not be able to come back easily. So we decided to take advantage of the now sunny and completely calm conditions to go for a Zodiac ride in the ice pack for an hour or two.

The kayakers also went paddling in the ice. We had close looks at fulmars, guillemots and gulls, not to mention the beautiful ice, but did not find seals or bears. Once in a while, truly peaceful conditions and silence prevailed when we turned our outboard motors off. To experience Arctic silence is always pleasant. Upon our return to the ship, large and thick ice floes moved by strong tidal currents made it impossible at times to load passengers out of the Zodiacs at the gangway. So we waited a few minutes to let the ice go by.

Today's presentations one from Dutch, our expedition leader and Captain Keith, our ice pilot, on our specific destinations of the coming days and current ice conditions. Peter also lectured about "Nunavut - Then and After".

Russian Word of the Day: *Pa-zhal-sta* - Please!



23rd July, 2007

Davis Strait

Time: 0700

Position: Lat: 64°28'N Lon: 62°22' W

Sunrise: 3.15 Sunset: 23.15

Barometric Pressure: 1011 mbar

Air Temperature: +3 °C

Water Temperature: +3°C

“A journey is a person itself, no two are alike. And all plans, safeguards, policies and coercion are fruitless. We find after years of struggle that we do not take a trip, a trip takes us.” John Steinbeck

In honour of being at sea all day, 0730 hours brought about the morning wake up call after a short (but welcome) sleep in.

The ship was surrounded by quite thick fog that had reduced visibility to less than a kilometre. However, the sea was calm and relatively ice-free. The ship had sailed into the Davis Strait at some point during the night, leaving Baffin Island behind in the mist.

The morning was filled with two presentations in the presentation room. First was Jacques presenting “Seabirds 101” – a look at the history, ecology and biology of seabirds in general, and details of the few most common we’re likely to see during the next part of our voyage. John and Janet Foster followed with “Our Love Affair with Ice” – a presentation of photography with ice as the subject. Their pictures ranged from ice near their home, to ice seen in destinations we’re headed toward and from macro shots to magnificent iceberg landscapes. It was to the enjoyment of everyone in the room – photographers and non-photographers alike. A brief period to relax and decompress followed with lunch shortly after.

The afternoon was filled with an opening of the gift shop, and two more presentations. In the first of the presentations, Stephen (with the aid of some of the Fosters’ photos from the morning), dissected ice and taught the chemistry behind water molecule interaction as freezing occurs and how ice changes as it ages and is exposed to the environment. This presentation was followed by one from Jim about his personal experience living with an Inuit family in their traditional summer hunt camp. Although his slides were quite graphic, the audience enjoyed a realistic window into an aspect of the life and culture of modern Inuit that they wouldn’t normally experience on an expedition of this sort.

Above on the bridge during the afternoon, the edge of the pack ice was found to have shifted quite a bit further South than the previous day’s ice charts had indicated. The “Des Groseilliers” Coast Guard Ice Breaker was in VHF range and was consulted on current ice conditions and best route for our next destination. During the communication, the ship slowed. Amidst the flurry of communication, a small pod of Long finned pilot whales made an appearance through the fog to swim with the ship for a brief period of time. A “fog rainbow” was also seen as the water droplets in the air refracted the sun light shining from behind. It was an exciting afternoon on the bridge, to say the least.

With progress as it was today and the ice edge expected to be within visibility tomorrow for a cruise, arrival in Greenland is expected late in the day tomorrow. The passengers were treated to a lifting of the fog and an amazing large iceberg that the ship circled in between courses at dinner. The day finished with a beautiful sunset of golden and pinky hues, hopefully indicating greater visibility tomorrow.

Russian Word of the Day: *Priv -yet* - Hello!



24th July, 2007

Davis Strait

Time: 0700

Position: Lat: 66° 26.3' N Lon: 58° 09' W

Sunrise: 3.20 Sunset: 23.45

Barometric Pressure: 1008 mbar

Air Temperature: +1° C

Water Temperature: +1° C

“If there is magic in this planet, it is contained in the water...its substance reaches everywhere; it touches the past and prepares the future.” Lorne Eisley

The morning wake-up call came a bit too early, but Dutch gave us the heads up that bottlenose whales were putting on a show beside the ship. We hopped out of bed as fast as we could in order to get a view of these very rare whales in these areas.

We all knew that they could disappear at any moment, and we could miss this sighting. Luckily Dutch called it right, and the whales were a treat to watch, playing beside the ship and doing some full breaches right beside the stern. It was the topic of conversation, as we sat down for breakfast. Soon after our meal, the call came from above that a bear had been spotted on the ice not far into the pack. We made our way slowly towards the bear, as he held his nose up high, getting a whiff of our scent as we closed in. He was enjoying his breakfast of seal, and after finishing his breakfast he took off into the water, searching for more food. As we cruised by the iceberg he had been resting on, we saw the remains of the seal, blood and rib cage left behind. We all followed the bear with our binoculars, as he swam along the ice working off his big meal.

Soon we headed north and east, towards Greenland and the Arctic Circle. It was celebration time as we made our way closer to that well-known demarcation on the globe. A champagne toast was held on the bow, and then 14 brave souls made their way to the plunge pool to be christened in the ice cold Arctic water. The defibrillator and sauna were nearby as the gang flew out of the pool as quickly as they dove in.

Lunch was well received after such a hectic morning, and we all were glad to rest back a bit and catch a presentation, stare out from the bridge or just hang out in the cabin with a good book or a quick nap. John and Janet Foster put on their film showing the amazing beauty and shapes of the Arctic ice. The aerial views of the massive bergs were something to see. Later in the afternoon Peter gave a talk on Arctic ecology and showed us the changes happening in the natural world in the north. It was another packed day, and Jonesy ended the evening with his tales of mariner mishaps and jokes. We all hit the hay early tonight as we were going to be awakened really early tomorrow to get the most out of our visit to Greenland.

Russian Word of the Day: *Eez-vee-nee-tye* - Excuse Me



25th July, 2007

Disco Bay

Time: 0700

Position: Lat: 68° 37'N Lon: 53° 08' W

Sunrise: 2.50 Sunset: 23.50

Barometric Pressure: 1013 mbar

Air Temperature: +5° C

Water Temperature: +4° C

"There are two kinds of men in the world, those that stay at home and those that do not. Of the two, the latter are by far the most interesting."

Rudyard Kipling

Wide awake at 6:00 AM, we set out full of expectation in our Zodiacs in a broad bay southwest of Aasiaat for our first Greenland landing and hike. As often happens in expedition cruising, our plans changed quickly when we saw humpback whales in the bay and motored to observe them. Some of us continued to kayak or hike. The hikers enjoyed a brisk walk in the tundra along the edge of the bay and the kayakers paddled along the coast and out into the bay where they encountered some of the humpbacks too! Meanwhile the Zodiacs had numerous close and exhilarating meetings with the humpbacks as they followed the schools of krill in a meandering pattern across the bay. Of course we could not see the krill several hundred feet below the surface and could not accurately gauge where we would see the whales surface. Therefore, we simply remained still and watched the whales adjust to our presence.

Gradually the schools of krill drifted closer to us, bringing the whales with them. In their zeal to feed on the krill the whales apparently ignored us and vigorously sounded and surfaced within a few feet of our Zodiacs! At times the Zodiacs were surrounded by six to nine humpbacks - and several passing groups of energetic harp seals in the distance as they pursued the krill. Skillfully avoiding contact with our Zodiacs - which mostly remained still at the wide mouth of the bay- the humpbacks systematically pursued the krill, frequently enclosing them in a bubble "net" and then rising powerfully up through the bubble circle to gorge on the krill caught in their pleated throats as they surfaced. The humpbacks apparently became accustomed to our presence and came even closer to our Zodiacs as they encircled the krill and then lunged through the circle to catch them. To our delight the whales broke through the surface only a very few feet from our Zodiacs and gave us all a shiver.

To add to our excitement over the feeding whales, a nearby iceberg disintegrated with a huge crack and dramatic explosion of ice, leaving the diminished core to roll over and rock back and forth in the water. The sharp sound of the crack startled us all, but we counted ourselves lucky to have witnessed this rare event. After we returned to the ship full of excitement and stories of these amazing events, the ship headed to Aasiaat to dock in the harbour and bunker fuel. After lunch we set out on tours of the town led by local guides. Wandering up and down the streets on the hill facing the harbour, we visited the community hall, the local grocery store, the gift shop, the museum and a sod house, among other places. We all had our favourite experiences; Jacques, for instance was ecstatic about seeing his first Greenland Mallard family with newly-hatched chicks. Even the 22 kilogram bags of sled dog food on a pallet seemed to intrigue us. We enjoyed a delicious carvery dinner followed by hilarious questions asked by tourists as presented by Keith and Peter.

Russian Word of the Day: *At-leech-na* - Excellent



26th July, 2007

Jakobshavn Bay

Time: 0700

Position: Lat: 69° 10'N Lon: 51° 38' W

Sunrise: 02.50 Sunset: 23.58

Barometric Pressure: 1011 mbar

Air Temperature: +7 °C

Water Temperature: +4° C

“Live it up, lift your cup, drown your sorrows, and sow your wild oats while ye may, for the toothless auld tykes of tomorrow were the adventurers of yesterday.” Tom Patey

Enjoying the luxury of an added half hour of sleep, we awaken this morning to a procession of icebergs passing our portholes. They come in an array of sizes and shapes beyond imagination. Sunlight glints off their polished marble surfaces creating hues of blue unique to these amazing structures. Behind them a backdrop of low rounded hills, so characteristic of this Greenland coast, completes the drama of the moment. Soon we are up and about the ship as Dutch describes the vista ahead. It does not disappoint: massive icebergs packed together like a gigantic dry stone wall block the mouth of Jakobshavn Fjord.

This gigantic ice choked fjord stretches inland for nearly thirty kilometres to the actual calving face of the glacier itself. The Jakobshavn Glacier is Greenland's most active and is the most prolific producer of icebergs in the northern hemisphere. About a third of Greenland's icecap makes its way to the sea by way of this gigantic ice chute. The face of the glacier is approximately six kilometres from shore to shore. Moving at a rate of up to

1 metre per hour, about seven kilometres of ice flow into the fjord each year. From this beginning place the icebergs spawned will begin a journey that may last many years and see them travel as far south as Newfoundland.

After breakfast, we quickly load into the Zodiacs and begin a trip through a crystal wonderland. The kayakers launch as well and paddle into the maze of towering ice. The size, diversity and subtle shades of sapphire blue that surrounded us leave us in awe. Stephen explains the various patterns of the ice: the faces and facets of the ice tell the past history of the individual icebergs, showing waterlines, bubble rills, gravel layers and melt water intrusions. For the kayakers the sudden explosive calving of two small bergs illustrates the power of this event and the reason for their maintenance of a safe distance from the behemoths. Returning to the ship after a bracing morning, we enjoy the full sumptuous barbecue prepared by the three exceptional chefs aboard the ship.

The afternoon is spent exploring the town and environs of Ilulissat. The short Zodiac transfer into town passes two small fishing vessels with harpoon guns mounted on their bows. This is our first indication that this is the sea and all its bounty has been, and still is, the mainstay of the Greenlandic coastal communities. Whales and seals are seen as part of that bounty.

Minke whales are still actively pursued to provide meat for the table. Once ashore, everyone strikes off in various directions

to explore the town. The fish market, Rasmussen's childhood home, now a museum and the numerous shops provide an intriguing glimpse into the community and its way of life.



Twenty intrepid hikers enjoy a hike to the World Heritage Site, with its four thousand year history and beyond to an awe-inspiring overview of the Jakobshavn ice field. Birds and flowers are abundant as we cross the tundra. Snow bunting, wheatear, and Lapland longspur are busily feeding young. The World Heritage site protects an assemblage of Dorset and Thule houses. Here a hardy culture took shape and prospered thousands of years ago and leaves us in awe of the skills and abilities of people to cope with the icy climes so long ago.

After viewing the cultural site, the walkers climb a steep ridge, cresting to suddenly confront a scene that takes their breath away. Ice stretches from horizon to horizon with tiny passages of water threading its way between. Three or four tiny fishing boats thread their way through the maze, risking disaster if any one iceberg calves. Here was a majesty and wildness that connected us with the very roots of the previous glaciations.

Back aboard Jim entertains with his remarkable tale of close encounters with Wally the Walrus as he paddled in the fragile shell of a tiny kayak.

Russian Word of the Day: *Pree-yet-nava apet-tee-ta* - Enjoy your meal

27th July, 2007 Uummannaq

Time: 0700

Position: Lat: 70° 50'N Lon: 53° 56' W

Sunrise: 2.55 Sunset: 23.40

Barometric Pressure: 1011 mbar

Air Temperature: +7° C

Water Temperature: +3° C

From the memorial of Edvard Krause (1900 – 1968) at the Museum of Uummannaq, Greenland

Song of Uummannaq

My beautiful native town of Uummannaq
So dear to me that I can never leave your site!
Especially days of springtime –
So wonderful when ice is breaking up to drift;
The sounds of birds are everywhere
Announcing summer time on the still waters through the night.

By listening to birds singing out loud
And other joyful sounds which appear to me -
The ice floes drifting on the sea;
The icebergs making shadows on reflected sea
Enjoyable! So wonderful and unforgettable -
These your houses and mountains!

My native town – full of mountains –
A privilege to all who stand and look at it!
The centre of mountains in the fjord –
You are the crown of your surroundings
Visible to me 'cause you're the most important mountain!



Written by Edvard Krause 1945

He was an organist, poet and painter; Mayor of the town and member of Greenland Parliament, an educator and originator of a local newspaper. Today, this song is occasionally played at special events.

Shared by Natalie Hall on the Akademik Ioffe as an expression of the natural Arctic environment we were travelling through.

We awoke to stunning views of the jagged metamorphic peaks of the north coast of the Nuussuaq Peninsula as we steamed eastwards towards the spectacular island community of Uummannaq, our final port of call in Greenland. Surrounding us like a naval escort was an armada of icebergs drifting along the coast with the current of the Gulf Stream. After breakfast we watched a video screening of the tsunami that wrought havoc on the tiny harbour of this small fishing village ten years ago. In just a few minutes the peace and tranquility of this little community was transformed into a living hell when a huge iceberg collapsed sending foaming walls of water ashore. We watched in disbelief as fishermen struggled to get their boats out of the harbour before the waves struck. Only a few were fortunate enough to escape; the rest were washed back into the harbour by the power of the waves. It was a miracle there was not a huge loss of life that day.

After the presentation a short Zodiac ride led us to a secluded beach landing where we explored an ancient Inuit settlement and visited the burial site of recently discovered and perfectly preserved, mummified bodies dressed in the full traditional costume of the day, estimated to date back as far as 1475. The remains were discovered by two young Inuit children whilst they were exploring the caves that lie beneath the huge cliffs. They found the bodies underneath a prominent rock overhang where they had lain sheltered from the elements and preserved by the cold, dry conditions for over five hundred years.

A number of other graves containing human remains were also found under piles of rocks nearby. It was a very spiritual experience for all of us to visit these sites. Almost equally affecting the spirit were the unrelenting, voracious attacks of the carnivorous Greenland mosquitoes that descended upon us the minute there was a lull in the wind. They were as hungry as we were so we hopped the Zodiacs back to the ship for a sheltered sumptuous lunch.

After dining, we had the choice of many options – some chose either a stiff or a moderate hike beneath the towering gneiss spires that overlook the town. Before setting off both hiking groups visited ‘Santa’s Hut’, a small sod house perched on an outcrop overlooking the bay. The group then divided into two; Robin and Dutch led a keen group of more ambitious walkers on a stiff hike up to a glacial lake and then along a series of natural ledge systems to a high point with extended views of the surrounding islands and across at the edge of the Greenland Ice Cap. Peter and Jim accompanied the other group on a gentler ramble which led back to town where we stopped to identify and photograph many Arctic plants along the way.

While the hikers scrambled on the slopes of the rocky peak behind the settlement others visited the local museum, shopped, chatted to locals or enjoyed a Greenland beer on the patio of the Uummannaq Hotel which must be one of the coolest places on Earth to enjoy a beverage. Throughout the afternoon we were startled by the report of ice artillery as iceberg after iceberg collapsed, broke apart and rolled over, a daily occurrence that the locals regard understandably nervously. These calvings are a sobering reminder of the tremendous latent energy stored in these floating cathedrals of ice.

Tonight we set sail across Baffin Bay for Canada’s High Arctic and fresh adventures. What will tomorrow bring – who knows?

Russian Word of the Day: *Kag dee-la* - How are you?



28th July, 2007

Davis Strait

Time: 0700

Position: Lat: 72°22.'N Lon: 58° 47' W

Sunrise: 2.00 Sunset: 23.25

Barometric Pressure: 1007 mbar

Air Temperature: +11° C

Water Temperature: +2° C

“On the road to Mandalay...Where the flying fishes play.” Rudyard Kipling

Today we sailed northward in Baffin Bay, remaining within Greenland waters. Our goal was to avoid some extensive patches of sea ice before heading west into Canadian waters and Lancaster Sound, where the Northwest Passage begins. We were beyond 73°N before the end of the day.

Sea conditions and visibility were generally fair but fog appeared regularly and the ship's fog horn was put to good use more than once. We saw several small and large icebergs and also encountered sea ice. This is where we saw our first small flocks of dovekies - also known as Little auks - among the broken pack ice. At one point, there was also a blueback, or young Hooded Seal, on the ice that stayed there long enough for a picture or two. Once they are weaned – in only four days, when they double in size from 20 to 40 kg or so, a record in mammals - bluebacks are great travellers and have been found literally an ocean away from their birth place. Hooded seals are a fixture in Greenland waters, where they feed largely on Greenland halibut. Their skins are often on display in local museums. On the other hand, despite an intense search of the sea ice and marine waters, we found no bear and relatively few seabirds throughout the day.

As for the presentations, Dutch gave us more details on our destinations for the second half of our voyage. Jacques presented a video about Inuit observations on climate change in Canada's western Arctic and Zak showed us what serious kayaking is all about with 'Low Lives in High Places'. Scott's white wine tasting session in the library was, as predicted, a winner again. And again and as usual, some "smart" staff took advantage of the situation to return their long overdue books to the library. The word "freeloader" was uttered at least once. It was suggested that the library fine be \$8.00, which is the actual cost of the wine tasting session. Wait a minute; \$8.00 for tasting 10 white wines from around the world? This must be the best deal in the entire circumpolar Arctic!

Russian Word of the Day: *Eta kra-see-viy* - It's beautiful



29th July, 2007

Baffin Bay

Time: 0700

Position: Lat: 75° 02' N Lon: 70° 05' W

Sunrise: 01.57 Sunset: 23.58

Barometric Pressure: 1007 mbar

Air Temperature: +4.5 °C

Water Temperature: +3° C

“I know a man whose school could never teach him patriotism, but who acquired that virtue when he felt in his bones the vastness of his land and the greatness of those who founded it.” Pierre Eliot Trudeau

The day began with calm seas and a blanket of fog that had joined us during the night. The sweet notes of Mozart echoed forth from Stephen's iPod in the bar, as many early risers enjoyed a time of contemplative reflection in the mist. Passengers enjoyed the fact that the clocks were put back another hour during the night and a slightly later breakfast at 8:00am provided a welcome sleep-in. As the day progressed, the fog came and went, but the seas remained calm and the sailing was smooth. Speed varied between 7 and 13 knots, as the fog came and went, with both engines finally coming into use when the threat of fog passed mid afternoon.

The hours of the day slid by quickly as passengers were entertained and educated with several more unique presentations.

To start the educational program off, an interactive discussion of Inuit Culture and lifestyle – both past and present – was led and moderated by Stephen. Not only did Stephen bring his knowledge and information to the table, but the group that had assembled had plenty of comments and stories to add, based on their experiences over the past few days. Bringing the morning to a close was Scott's telling of one of the epic adventure and mystery stories of Arctic exploration – The Franklin Expedition. His passion for the story and the mystery surrounding what happened on that expedition brought the topic to life and got the crowd excited about the depth of history to be felt and experienced during the next few days of our voyage.

The afternoon began with a presentation from Jacques and Peter on polar bears and what the reality of changing climate conditions means to their ultimate survival. This presentation was especially meaningful to the passengers after our spectacular encounters with the animals earlier in the voyage. It is a species that the passengers can relate to and feel empathy for now that bears have touched their lives and awakened their excitement. John and Janet finished the afternoon with a screening of their spectacular DVD “Polar Voyages”, which is a compilation of footage from many trips aboard the Peregrine Mariner. Their photography, stories and experience has been appreciated by many passengers over the course of the voyage; seeing this comparison of both poles with lots of recognisable footage was a terrific way to finish our last sea day and keep folks excited about what it is to come.

After a superb supper, the “Protect Our Poles” auction was held. To assist Peregrine Shipping with its funding of polar bear research, 10 items were auctioned off to lucky and generous bidders. The items up for auction were varied: polar bear ear tags, a polar bear dart, a signed photo and book from Ian Stirling, a compilation of daily delios and menus and ice charts from the voyage, a flag with the “Protect Our Poles” logo, a nautical map of the Canadian Arctic with our route marked on it, a staff shirt and a set of the Foster's 2 Polar DVD's. The mood in the dining hall was jovial (perhaps aided by the serving of Champagne) and the event was enjoyed by all. With Hayley as the principal auctioneer, the event itself raised nearly \$2500 and many donations were made afterward to add to the total. All bidders and donors received a special patch with the “Protect Our



Poles" logo on it – a very special patch signifying both their generosity and commitment to ongoing scientific research benefiting one of the species we've taken so much delight in seeing during the voyage.

Russian Word of the Day: *Tuman* - Fog

30th July, 2007 Baffin Bay

Time: 0700

Position: Lat: 73° 46' N Lon: 80° 14' W

Sunrise: 01.00 Sunset: 23.55

Barometric Pressure: 1010 mbar

Air Temperature: +5 °C

Water Temperature: +3° C

“Life is either a daring adventure or nothing at all.” Helen Keller

Today was a day of expected and unexpected delights! In every regard the kayakers and Zodiac cruisers saw, learned and enjoyed more than we might have anticipated. The day began early with a wake up call for a Zodiac cruise in the crisp morning air at Cape Hay bird cliffs. Strangely the cliffs looked barren of bird life as we left the ship and motored slowly past ice floes while watching several bearded seals pop up to eye us suspiciously. Soon we saw Black-legged kittiwakes and Glaucous gulls head toward the distant cliffs and we watched several groups of Thick-billed murres and Black guillemots drifting quietly on the undulating water. Still the rock face looked devoid of life as we followed the shore northward. Gradually, the cliffs came alive with black wisps of birds too small for us to see from a distance. As we approached weathered stone, we saw the swarms of birds falling with spread wings out of tiny crevices in the cliff and then suddenly soaring off toward the open sea to find food. Simultaneously Glaucous gulls and Black-legged kittiwakes punctuated the cliff face as they flew over and between in-coming Thick-billed murres when they first dropped low and then zoomed up to their precariously narrow rock nests. What had appeared to be barren cliffs from the distance were full of exaggerated life as birds crisscrossed the rock face in a web of black and white. The gulls cruised across the rock face horizontally looking for opportunities to snatch an unprotected chick. The Thick-billed murres and Black-legged kittiwakes, flying at right angles to the flight of the gulls, zoomed towards the rock face and rose sharply at the last second to stall their flight exactly at their nests, all crowded against the wall on the rock ledges. More than 300,000 birds crisscrossed the rock face, each on an inexorable reproductive mission. What a spectacle! What a drama!

Below in the pellucid waters, Bearded and harp seals watched us cautiously before disappearing to go about their business.

The kayakers paddled in and out of the ice beyond the last point of land as the Thick-billed murres dropped from their nests and then rose in flight just above the kayakers heads. We wove in and out of the ice along the shore to watch the aerial spectacle and the jelly fish and sea butterflies in the seas as well. Soon we headed toward the open sea and returned to the ship amazed by the wonders of nature.

After a delicious breakfast, we settled back into our comfortable on-board routines and enjoyed Scott's rendition of the life of John Rae, the most resourceful and skilled of the British (Scottish!) explorers of the 19th century. Later Jim told the interesting story of a North Pole expedition of which he was the coordinator and



operations manager. As usual, Jim's presentation was funny and informative. After lunch we relieved any lingering tensions and anxieties from the last several days with a visit to the gift shop. What a delight!

Even more delightful, however, was our discovery – virtually a group revelation on the bow deck – of three thousand harp seals on the ice in the middle of Lancaster Sound. We were exhilarated and exuberant as well as speechless and stunned! Emerging in the distance before the ship were black dots on the sea ice stretching across the sound. As we slowly approached the floes, the Captain and his crew skillfully manoeuvred the ship through considerable ice and brought us close to the harp seals without frightening or scattering them. We enjoyed this rare sight and then quietly left the seals in peace. This sighting of thousands of harp seals on the ice is all the more amazing in that nobody on board had ever seen such a gathering of seals on ice in the Arctic! Jacques pointed out that herds of harp seals in the water are sometimes reported in other places but not on ice. After this astonishing adventure we retired to the dining room for a fine dinner and much animated discussion of the days events. In the bar, Colin and Lisa entertained us with delightful songs. We went to bed with clear skies and smooth seas!

Russian Word of the Day: *Zaf-tra* - Tomorrow

31st July, 2007 Lancaster Sound

Time: 0700

Position: Lat: 74° 17' N Lon: 90° 45' W

Sunrise: 01.05 Sunset: 23.59

Barometric Pressure: 1011 mbar

Air Temperature: +3 °C

Water Temperature: +3° C

"Where in this small-talking world can I find a longitude with no platitude?" Christopher Fry

We were awakened at 6:30 in order to get in a full day of landings and the always exciting account settlement. No sooner had we started the accounts

in the lounge than a polar bear was spotted on the ice not far from the ship.

The captain took the ship in ever so slowly in order to not spook the bear and we were lucky to get a great sighting for quite some time. The bear did not seem the least bit frightened or disturbed by our presence, and we watched in awe as he slowly took a stroll along the ice, and then took a swim onto the next piece of ice along his route. In between paying the bills and running around the ship watching our bear, Ken gave us a class in the complexities of the geology of the area. Janet and John Foster showed another of their amazing videos, focusing on the ice we have seen in the Arctic.

We were heading for Beechey Island, the known winter home of the Franklin expedition in the years 1845-6. This is where the 129 men of the expedition spent their first winter in the protected area of Erebus Bay. When search parties found articles left by the men, they made a major search of the island and found many mysterious objects. First the graves were discovered which showed that three men had died that winter and were buried here. They also found 600-700 empty food cans piled in the shape of a pyramid and each one full of sand. This was a very high number of cans to be used in the first winter, and yet no note was found or an



explanation for the high count. A pair of gloves left by an officer to dry on a rock was found, leaving searchers to believe the men rushed to get out of the area. The most incredible find was the cairn on top of the island, where searchers took apart each rock of the cairn only to find no message of their whereabouts. As exciting as the find was, it just raised a number of further questions as to where the ships had travelled.

After our visit to the graves and Northumberland house, we all made our way back to the warmth of the ship and a much anticipated cup of hot chocolate or coffee. Dutch had the voyage recap soon after our return, and then the much anticipated 'best of' photos from all the passengers was shown to the crowd. Captain's dinner was held soon after, and we all had a great time reminiscing about our trip and going over the day we had. It was time to say our goodbyes and shake hands with the staff. It's a crazy day tomorrow, and we will look forward to our visit to Resolute.

Russian Word of the Day *Da-svee-dan-eeya* - Farewell

1st August, 2007

Lancaster Sound - Resolute

Time: 0700

Position: Lat: 74° 42' N Lon: 95° 06' W

Sunrise: 00.40 Sunset: 23.58

Barometric Pressure: 1009 mbar

Air Temperature: +4 °C

Water Temperature: +3° C

“My experience of ships is that on them one makes an interesting discovery about the world. One finds one can do without it completely.”

Malcolm Bradbury (1932)

The day of departure finds the ship moored off Resolute on Cornwallis Island. A thin fringe of ice hugs the shore and a light fog cloaks the upper elevations. Bags are packed with bittersweet necessity and placed outside our doors.

With the ship cleared, we transfer to shore and board the bus. We visit the Thule site with its reconstructed houses. With grey offshore waters it is a forbidding place that speaks to the character of the people who lived here. We transfer to the airport and the final wait for the plane to arrive from Ottawa. It is with heavy hearts that we leave the land that has now imprinted itself on our souls.

Russian Word of the Day: *Dos tree-chay* - Till we see again!



Voyage Presentations Summary

21ST JULY

AECO GUIDELINES & POLAR BEAR SAFETY BRIEFING (MANDATORY) BY DUTCH

Peregrine Shipping, being part of the Arctic Association of Expedition Cruise Operators (AECO) ascribes to the guidelines for its operations in the Arctic regions. As part of the requirements, all passengers must be informed of these guidelines.

Additionally operating in polar bear country, passengers must be made aware of the precautions and behaviors necessary to polar bears and ourselves.

ZODIAC SAFETY BRIEFING (MANDATORY) BY HAYLEY

For safety while operating our Zodiacs, all passengers are required to attend this briefing session. Learn how to wear the lifejackets, enter and exit the Zodiacs and considerations whilst travelling in the Zodiacs.

POLAR BEAR BY PETER

With special set of circumstances imposed by the Arctic environment, mammals have adapted to a wide range of species. This presentation will introduce the Polar Bear, king of the Arctic mammals, paying special attention to its specific adaptations to the climate and environment they have been exposed.

22ND JULY

LET'S GO TO THE HIGH ARCTIC: PART I BY DUTCH AND KEITH

With this Arctic adventure just beginning many will want to know what lies ahead in our voyage. Our Expedition Leader will outline some of the sites that may be visited over the next few days, emphasising the uncertain nature of Arctic travel and ice conditions.

NUNAVUT: PAST, PRESENT AND FUTURE: BY PETER

The presentation will provide an overview of Inuit pre-history, including the major cultural periods which have defined the settlement of the Arctic by humans. The creation of Nunavut will be discussed outlining the geographic, economic and sociological challenges which face the Nunavut Assembly today.

TUTORIAL: MULTIMEDIA INTRODUCTION BY CAROLINA & COLIN

Learn how to download your photos and burn CDs and DVDs in our Multimedia Facilities.

BAR TALK – WHAT IS THAT? BY STEPHEN

This little quiz centres around identifying two animals based only on their skeletons. Is not as easy as it looks



23RD JULY

ARCTIC BIRDS 101 (FOR THE UNINITIATED) BY JACQUES

After a brief explanation on the Arctic and North Atlantic context of Nunavut and West Greenland, and various aspects related to habitat and migration, Jacques will present some the birds of particular interest, including auks, gulls, fulmars, eiders and snow geese. Particular attention will be paid to the auks, which are among the most typical and abundant Arctic seabirds.

A PASSION FOR ICE BY JOHN AND JANET FOSTER

An introduction to Polar photography by award-winners filmmakers John and Janet Foster will provide us with an idea on what to focus while photographing ice. The Fosters will show a series of photograph taken in the Polar Regions sharing their great photographic skills with us.

THE WONDERS OF ICE BY STEPHEN

This talk identifies typical forms that ice takes in the Arctic and Antarctic and explains why these aspects of ice are so important. We pay particular attentions to ice forms we see from the ship in the Arctic. We consider also the implications for the entire ecosystem of the way ice behaves.

NUNATSIAQ – LIFE IN AN INUIT HUNTING CAMP BY JIM

With the culture and traditions of the Inuit people in the High Arctic regions of Canada under threat from climate change and the mounting external pressures of life in the 21st century some elders are opting out of community life and going back to the land. Jim Hargreaves will share his experience of an extended visit to an Inuit outcamp, set up by the most experienced hunters from the northern Baffin hamlet of Pond Inlet, and see how they are struggling to preserve their traditional travelling and hunting skills in order to pass them on to the young people of their community.

BAR TALK - KNUD RASMUSSEN BY SCOTT

This bar talk is a quick description of Knud Rasmussen travels and his accomplishments among the Inuit of both Greenland and Canada. It is followed by a reading of an exciting story of an encounter he had with a polar bear.

24TH JULY

THE JOURNEY TO THE SEA OF ICE PRESENTED BY JOHN & JANET FOSTER

This documentary follows one of the great annual spectacles of the northern hemisphere. Immense icebergs that were born in Greenland thousand of years ago sails slowly past Newfoundland's coast. John and Janet travelled from the Labrador Sea to Disco Bay to document their fantastic and mystic journey.

TUNDRA TAPESTRY (Arctic Ecology): BY PETER



This presentation will provide an introduction to Arctic ecology. Beginning with the shaping of the land and the climate which exists, the presentation will develop a picture of the life which defines Arctic. It will touch both on terrestrial and marine environments and the Inuit culture. It will be illustrated with slides.

BAR TALK – NAUTICAL TERMS AND TRUTHS BY KEITH

26TH JULY

BAR TALK – CLOSE ENCOUNTER WITH WALLY THE WALRUS

Jim will tell us the story of his close encounter with a male walrus and his sinking kayak while paddling in the cold waters of the High Arctic.

28TH JULY

LET'S GO TO THE HIGH ARCTIC: PART II BY DUTCH AND KEITH

With this Arctic adventure on the way, many will want to know what lies ahead for the next half of our expedition. Our Expedition Leader will recap our voyage so far and outline some of the sites that may be visited over the next few days.

SHIP TOUR with SCOTT, STEPHEN AND CAROLINA

The guided tour of the Peregrine Mariner incorporates the bridge, the engine room and the antenna room, better known as the mud-room where science onboard the vessel is discussed. The tour helps our passengers to discover more about the history of the ship and, in more recent times, the science conducted aboard.

SILA ALANGOTOK: INUIT OBSERVATIONS ON CLIMATE CHANGE PRESENTED BY JACQUES

Climate change is affecting everyone everywhere. Join us to see and hear about what the Inuvialuit of Banks Island are experiencing in their own Arctic backyard.

“LOW LIVES IN HIGH PLACES” BY ZAK

During September and October of 2006 an international team of six whitewater kayakers traveled to the Himalayas and the country of Tibet. The mystical country contains the headwaters of some of the world's biggest river catchments. One of them is the Parlung Tsangpo.

On October 14th Zak and the team began their attempt at being the first people to kayak the rivers entire length, a distance of 210km. After 12 harrowing days of massive class 5 whitewater the team completed the first descent.

During the presentation Zak will share his passion for kayaking and their incredibly successful Tibet expedition.



BAR TALK - ROBERT SERVICE READINGS BY PETER

In keeping with the traditions of early expeditions, where evening “entertainments” before the age of technology, relied upon recitations, theatrical presentations and games, Peter will recite some of Robert Service’s poems, written at the time of the Yukon Gold Rush.

29th July

INUIT CULTURE

In this presentation we broadly consider important aspects of Inuit life in Canada and Greenlandic life in Greenland. We look at family, work and employment issues as well as social customs in Inuit and Greenlandic society.

FRANKLIN EXPEDITION 1845 BY SCOTT

This is an in depth look at the Franklin expedition where the 129 men from the two ships, the Erebus and the Terror disappeared in the frozen Canadian Arctic never to be seen by Europeans again. We follow the route of the ships and where the clues were found that the 40 search parties found over the years. The one message discovered by the search parties is studied and the many theories are considered in this mystery. It is left to the individuals to come to their own conclusions as to what occurred during these terrible times.

PROTECT OUR POLES: CONSERVATION IN THE ARCTIC WITH POLAR BEARS

This presentation is an overview of the conservation support that Peregrine Shipping is providing in both the Arctic and Antarctica. The “Protect Our Poles” project supports research for the conservation of polar bears and Wandering albatrosses. Details will be provided about the current projects that we are undertaking. The money raised by the onboard auction directly assists this conservation work!

POLAR VOYAGES BY JOHN AND JANET FOSTER

John and Janet will present the documentary “Polar Voyages” featuring the Peregrine Mariner and its passengers in both Polar Regions.



30TH JULY

THE FACINATING STORY OF DR. JOHN RAE 1813-1893 BY SCOTT

We cover the life and times of one of the most impressive Arctic explorers during the search for the Northwest Passage and the fate of the Franklin expedition. Arriving at the Hudson Bay factory at the bottom of James Bay, the 19 year old doctor established himself as an excellent hunter and explorer by studying and applying the ways of survival in this harsh climate used by the Cree Indians. He was the first European to successfully survive the winter in the Arctic regions by living off the land. He mapped huge amounts of new land in his travels across Canada, and went on to find the first artifacts left behind by the men of the Franklin expedition. A true hero, he was never knighted or given the proper recognition he deserved for his amazing efforts.

A JOURNEY TO THE NORTH POLE BY JIM

Join Jim Hargreaves on a pictorial journey to the geographical North Pole. Jim was Operations Director of one of the largest expeditions to the North Pole in modern times. We will start by tracing the history of Robert Peary, the first successful explorer to reach the North Pole in 1909 then we will follow a contemporary team of international adventurers as they ski from the northernmost point of Canada to the top of the world.

31ST JULY

THE OLDEST AND THE NEWEST: GEOLOGY FOR ALL BY GUEST PRESENTER KEN DEGREEE

Ken will introduce us to the Geology's world. With a brief overlook at the last 10 million years, Ken will go through the most important geology features in the Canadian High Arctic.

VOYAGE RECAP AND THE BEST OF SLIDE SHOW

In so many ways this trip has been the trip of a lifetime. Our Expedition Leader will help us recollect the incredible places we have visited through maps and photographs. The BEST OF photographs taken by our group of adventurers and photographers will be shown in a slide show that is bound to take our breath away!



Beluga		d
Muskox		
Arctic Hare		
Arctic Fox		
Long-finned Pilot Whale	X	
Northern Bottlenose Whale		c. 15
Harbour Porpoise	?	
Humpback Whale		X
Fin Whale		X

d=dead; s=scats; ?=unconfirmed; c.=(circa) approximately



KAYAK LOG

GUIDE: Zak Shaw

Excursion 1 Cumberland Bay

6609 N, 6539W

Date – 22/07/2007

Wind Speed - light

Species sighted from the kayaks - fulmar

This was the first excursion of the 2007 Arctic season! As early as possible Zak had briefed our team with everything related to paddling in the frigid waters of the north and how the kayaking program would be run.

Once equipped with dry suits, spray decks, lots of thermal layers, lifejackets and paddles we disembarked from the Mariner into our safety Zodiac. The sea conditions in Cumberland bay were idyllic. For this first trip we certainly didn't want strong winds and swell. Instead clear blue skies, light winds and thousands of small bergs surrounded us. Once in our individual kayaks we paddled amongst the wonderfully sculptured ice periodically stopping to admire where we were. We had done it! Our big push to get educated and prepared for Arctic kayaking had all been worth it!

Excursion 2 Aassiat

6842N, 5252W

Date – 25/07/07

Wind Speed - none

Species sighted from the kayaks – Humpback whales, harp seal, kittiwake, Arctic Turn, Glaucous Gull, Guillemot

The ship anchored about a half mile off in a small protected bay south of the settlement of Assiaat. Humpback whales had been sighted at the entrance to the bay but the distance for us to paddle to their last seen point was outside our travelling range. Utilising a small rocky beach we climbed into our kayaks and headed for a small island where Arctic turns were visible in great numbers.

A huge iceberg captured our attention off in the distance and so we headed at it curious of the prolific numbers of sea birds that sat perched upon its top. Then without warning a humpback whale surfaced a few hundred yards in front of us, luck was on our side! We closed the gap as three whales repeatedly sprayed plumes of misty water into the air. One particular humpback came exceptionally close, its massive body twenty five metres in length glided by dwarfing us and our small kayaks. It was a truly amazing sighting and a special time for all of us on the water.



Excursion 3 Jakobshavn Glacier

6914N, 5107W

Date – 26/07/07

Wind Speed – light

Species sighted from the kayaks – Harp seal, Icebergus Gigantosaurus

After enough superlatives to sink the ship our team quickly realised the significance in going kayaking in the area. Without a doubt the Jakobshavn glacier is a kayaking destination that would feature high on any list of places in the world to explore by sea kayak.

Strong sea currents made us work for every metre gained. We unloaded from the Zodiac in record time but found ourselves drifting out away from the ice. With work to do we regained the distance lost by paddling hard. Towering icebergs overlooked us as we paddled further into an open area less congested with ice. Twice we witnessed large chunks of ice tear free creating thundering sounds as the ice rumbled into the water and sent waves rolling. We found small bergy bits floating and so we took turns paddling our kayaks through the congested fields of frozen ice blocks. The quote for the day was “this is as good as it gets” that’s exactly how it was!

Excursion 4 Uummannaq

7040N, 5205W

Date – 27/07/07

Wind Speed – Variable, strongest speed recorded at 12m/s

Species sighted from the kayaks – Fin whale, fulmar

David and Zak set out to brave kayaking in testing conditions. Due to the unsheltered nature of the surrounding coastline and Uummannaq’s township kayaking was not on offer to all. A moderate easterly wind direction was always going to make things tough out there and for a good proportion of the time it would be coming at us head on.

Scotty and Robin escorted us to a secluded cove called Qulakisoq. This site contained mummy burial sites dating back to 1475. The bodies and skin clothing are the oldest and most well preserved found in Greenland and in the Arctic.

Peeking our faces out from behind the last point of protection the brunt of the wind was abruptly upon us. Hugging the coastline we did our best to find any lee available hopeful that the paddling would be made easier. In the bay huge icebergs offered the opportunity to rest as we found shelter behind them. Once we had paddled sufficiently far enough up wind of the settlement of Uummannaq we let the bow of our kayaks drop to run downwind. Ice bergs continued to grind against each other around us and so we remained vary of collapse. Amongst these uniquely shaped glistening blocks our kayak crossing from the mainland of Greenland to the Island of Uummannaq came to and end, a journey which had taken 2.5 hours to complete.



Excursion 5 Cape Hay, Bylot Island

7346N, 8020W

Date – 30/07/07

Wind Speed - none

Species sighted from the kayaks – Fulmar, king aider ducks, Bearded seal, harp seal, guillemot, Glacous gulls, Thick billed murre, kittiwake, sea butterfly jellyfish.

The night before an amazing sunset and exceptionally calm sea conditions had us (including passengers onboard who have never been in a kayak before) all wishing we could just stop the ship, get off into our kayaks and go paddling. It was such a beautiful evening, one we hoped would last until morning. Luck was on our side. At 6.30 am we descended the gangway overlooking an ice congested coastline and the 600ft sea cliffs of Cape Hay.

Home to over a million sea birds, Cape Hay is bursting with activity. Real Estate is big business here! Those with higher rank get the best spots to nest. This normally means a spot high on the cliff, which is a little more level! Curious bearded seals followed our progress as we gently approached the main roosting areas for the masses of Thick billed murre, guillemot and kittiwake. Perched on the incredibly precipitous limestone cliffs these sea birds were all preparing to rear their young. The noise gradually increased as we closed in on a frenzy of birds flying to and from the massive wall. From the seat of a kayak was most certainly the best way to observe and feel the magic of Cape Hay.

Excursion 6, Beechey Island

7443N, 9147W

Date – 31/07/07

Wind Speed – 20-25 knots, 12 m/s

Species sighted from the kayaks - Harp Seal, guillemot.

More often than not Beechey Island is attacked by wind, surrounded by fog and hit by waves that roll from in Erubus bay. Linked to the Franklin expeditions and the travels of other early explorers Beechey Island is one of the most famous in the Arctic.

On route to Northumberland House we pushed into a strong head wind in the Zodiac and continued to assess the kayaking conditions. Once onshore we visited the historic site and tried to imagine what it would be like to spend an entire year on the exposed rocky beach overlooking the bay.

Sarah and Mary had agreed to join Zak for a paddle, but everything hung in the balance as the wind and sea conditions were assessed. We positioned the kayaks in the lee of two Zodiac's positioned onshore and stretched the spray-skirts on before pushing off the beach. We kept close together initially until we established some control in the swell and developed a feel for how this influenced the kayaks. Some waves that passed under us were one metre in size with the wind constantly assisting our general direction of travel. Briefly on some of the bigger waves the kayaks would catch a surge and be accelerated forward! Before we knew it we had paddled the length of the bay, our paddle was over and it was time to visit the gravesite.

Fair winds and following seas!

Paddle safe!



Staff Biographies

DUTCH WILLMOTT

“This is my fifth year and third Arctic season with Peregrine Shipping’s polar expeditions. Melbourne, Australia is my home and it is where I completed my degree in Environmental Science and honed my wilderness and boating skills. I have been boating for over 20 years and in 2002 gained my commercial skipper’s licence. I have sailed and raced yachts all over the world and have competed in many ocean races including two Sydney to Hobarts, considered to be one of the toughest races in the world. A milestone Cape Horn rounding was also achieved in March. Some claim my grin can disarm polar bears at 200 metres but I would not bet on it! I’m looking forward to sharing my polar and boating experience with you.”

As well as being one of our Expedition Leaders, Dutch is also responsible for safety operations and our fleet of Zodiacs. When not seen around the ship you will find him on the back deck (or on his back on the deck) mixing glue and repairing things.

COLIN BATES

Colin hails from Bamfield, British Columbia, a tiny fishing village on the west coast of Vancouver Island. He holds a Ph.D. in marine biology and his research focus is marine community ecology. He is an avid naturalist and diver, and regularly teaches about marine botany and coastal conservation. In addition to his scientific work, Colin is a professional photographer and he shows and sells his work across Canada. As an active member of the Canadian Coast Guard Auxiliary, he also engages in regular seamanship training, heavy-weather boat driving, and marine search and rescue operations.

CHLOE KURTS

Chloe comes to us from Melbourne, Australia although, since her teenage years, has found it hard to stay in one place. With a degree in Languages and Linguistics, Chloe’s passion for exploration and cultures has taken her far and wide.

This love for travel, languages and wildlife and her many years working in catering led her to one of the most exciting places on Earth – Africa. Chloe spent an incredible four years managing safari lodges in the Okavango Delta, Botswana. Falling asleep to the sounds and snores of the African bush made it difficult for Chloe to return to the city. However, her return to Melbourne introduced her to Peregrine.

Now based in Vancouver, Canada, Chloe is the Hotel Operations Manager, overseeing all things ‘hotel’. This role sees her on and off the ships assisting the wonderful onboard hotel and kitchen team.

With what little free time she has, Chloe is a qualified yoga teacher and can be found giving directions from a yoga mat! Yoga on Ice? You bet!!!



BRYCE HITCHENS

Bryce has been in the hospitality industry for the last 12 years and has successfully completed his Journeyman's Certificate for Cheffing. Cooking isn't just a job for Bryce, it is something that he loves to do and is passionate about. Joining us for his second season, Bryce looks forward to experiencing the High Arctic. In his spare time he loves spending time in the outdoors, fishing, hunting and watching CFL football games. He considers himself a true prairie boy and loves the snow. Hailing from Saskatchewan, it is not surprising that his definition of perfect weather is "any weather that shorts can be worn", and there is rarely a day when you will see him in trousers!

Bryce aims to be a professional first-aider for wildlife and fish response. An advocate for keeping Canadian waters healthy you can find him here providing mouth to Gill AR! Peregrine Shipping is thrilled to have him back as the Sous Chef for this season.

HAYLEY SHEPHARD

Hayley is originally from New Zealand. She went to Vancouver Island for a three week kayaking trip in 1995, fell in love with Orca - and never went home! She is an Expedition Leader for Peregrine Shipping and brings an abundance of experience and knowledge to the role, an eagerness to share her passion for polar regions and of course a woman's touch to expedition leading. She is happiest at sea and when not on board the Mariner lives in her little cottage beside the sea on Vancouver Island, or in her sea kayak.

Hayley has a teaching Diploma specialising in Outdoor Education and Environmental Science. This combined with her considerable and varied practical experience adds some real depth to her role.

Hayley has represented NZ in rugby, sea kayaked solo around Vancouver and the Queen Charlotte Islands, published a children's book and guided destinations we all dream about. She has her sights set now on being the first woman to circumnavigate Sth Georgia - alone!

STUART TIDSWELL

With over 9 years experience on polar expedition vessels, we are thrilled to have Stuart take the helm in the galley of the Peregrine Mariner. Stuart has over 20 years experience in the food industry and has worked all over the world in catering, resorts, restaurants and ships. As our Head Chef, Stuart's creativity and flair can be enjoyed every day in our onboard restaurant.

Originally from Papua New Guinea, Stuart has gone from Palm Trees to Icebergs. With the little time Stuart has off during the year, you may find him relaxing on his sailboat in the warm waters of Cairns, Northern Queensland, Australia.

ROBIN MIDDLETON

This is Robin's second summer in the Canadian Arctic but her first onboard as part of the Peregrine Shipping Team. In her life off the ship, Robin teaches high school Biology, Chemistry and Outdoor Education in Ottawa, Ontario. In the winter, she spends many hours on the ski trails coaching the high school Nordic ski team. Prior





to traditional classroom teaching, she also enjoyed working in the Ontario Parks system as a Naturalist, teaching park visitors about the natural wonders around them.

Choosing to live in Ottawa was a deliberate move based on the dependable snow in winter and the close proximity of terrific whitewater when the snow melts. When not at work, Robin can usually be found in her kayak on a whitewater river or on her cross-country skis, enjoying the local trails.

Robin has a great love of travel and is aboard the Peregrine Mariner this summer as a Naturalist and Kayak Guide and is looking forward to exploring the polar seas with the intrepid paddlers and Arctic adventurers!

ZAK SHAW

Raised in rural NZ, Zak is a farm boy at heart. As one of New Zealand's most qualified kayak instructors Zak travels the globe as a photographer, teacher, expedition paddler and adventure writer.

At just 26 Zak has rapidly established himself as an exceptionally competent instructor and kayak guide. Joining the Peregrine Shipping team in 2006 for the Arctic season he fell in love with the magical far north and so is back again for more.

Having completed first descents of rivers in South America, Africa and China he is no virgin of the adventure experience. In 2005 Zak assisted a New Zealand sea kayak expedition to complete the first circumnavigation of the sub Antarctic island of South Georgia. In Tibet last year he was part of an international team who successfully completed the first descent of Tibet's Parlung Tsangpo a terrifying 12 – day, 210km river journey. As a current outdoor professional Zak constantly draws on his high level of expertise in order to supply safe and yet real adventure experiences. His next expedition is to India in October so if you have any advice for him or just want to know more about Aotearoa, (NZ) just look for the youngest staff member on the ship!

PETER MIDDLETON

Peter was born in Scotland, in case you wonder about the voice, but grew up in Canada. A career, teaching Outdoor Education in Ontario, was complimented by forty years of guiding experience that started as a Park Naturalist in Algonquin Park in 1963 and has led to worldwide leadership in latter years. Peter has always had a passion for both the sea and the polar regions. He has been part of the Peregrine Shipping staff for a number of years travelling both to Antarctica and the Canadian Arctic.

An Enthusiastic naturalist, Peter has a wide scope of expertise that he loves to share. If you happen to find him lying on the ground at some point waving his hands in the air, don't despair, he is only trying to catch the attention of a passing caribou.

LISA O'LEARY

Hailing from North Queensland and suffering from a severe overdose of sunshine, Lisa decided to move to the UK where she has spent the last three years working and managing pubs and has now based herself in Manchester. During this time she has developed a taste for warm beer, a nuance for regional dialects and an attraction for Chelsea's Frank Lampard.





Apart from a brief stint at university Lisa has been following her passion for music performing in bands beginning with the all girl act 'Cousin Felix' at age 13. After moving to Brisbane her hip hop/funk band 'Chi-Qi' saw popular local support and played the Woodford Folk Festival in 2003, followed by a national tour that same year.

Having already travelled much of Europe Lisa was looking to experience adventure a little further a field when the opportunity to work with Peregrine came by. Not having been to the Arctic before, and knowing what a unique and delicate region it is, she hopes she can also share and enrich the experience with passengers.

GERARDO DANIEL MANISCALCO

Gerardo Maniscalco is 23 years old and from the province of Cordoba in Argentina . He began studying cooking at 17 years and received the title of professional gastronomic at the age of 19. In 2003 he traveled to Mexico in a cultural Exchange and worked at a five Star hotel called "Quinta del Rey" for nine months learning "high Mexican kitchen".

At the end of the year 2003, he returned to Cordoba and took a baker's course. He moved south to the most southerly city in the World, Ushuaia, and became the head chef of the well-known "Club Nautico" for a year.

Mexico beckoned again and Gerardo traveled north to the city of Toluca , where he worked as head chef at the popular "Casa Nogal" restaurant for a year.

A sponge for knowledge, Gerardo returned home again to take more courses, this time as a pastry chef. He has spent the last 2 years working as head chef in the best restaurants in Ushuaia and onboard the Mariner as sous chef. Gerardo's family lives in Cordoba, the capital of Argentina, and he enjoys sports, physical activities and driving racing cars with his brothers.

JAMES HARGREAVES

Jim has been instructing adventure activities and organising expeditions all over the world for more than thirty years. He was a member of the First British Grand Canyon Expedition to the Colorado River in 1971 and went on to lead expeditions to the Bio-Bio in Chile, the Zambezi in East Africa and several rivers in Nepal. He has also paddled in Costa Rica, Honduras, Belize and Japan. Jim has worked as a professional mountain and river guide in the Canadian Rockies and the French alps and was Head of Department at the prestigious National Centre for Mountain Activities in North Wales in the UK. He is also a very accomplished sea kayaker—he was a member of the team that made the first kayak circumnavigation of Cape Horn.

In 1986 he was a member of the British K2 Expedition to the Karakorum Himalayas and he has also climbed extensively in Britain and the Rocky Mountains as well as in Africa and the European alps.

Recently, Jim settled in Canada in 1992 after organising 'Icewalk', a North Pole expedition, and since then he has traveled extensively in Canada's northern Arctic regions. Jim has worked as a technical advisor on a number of BBC documentaries including 'Coming of Age', the story of an Inuit boy's first hunt, and very recently 'The Great White Silence' a documentary about climate change and how it is affecting the northern Baffin community of Pond Inlet.



KEITH JONES

According to our expedition leaders every expedition ship should have at least one (one, no more.....please!) "Salty Sea Dog".

In 2004 Master Mariner, Capt. Keith Jones (Keith), celebrated with us his 40th year in the Shipping & Offshore Exploration Industry. This has included 35 years in the Arctic in various roles and programs including: Chief Officer, Ship's Master, Fleet Manager, Marine Consultant and Ice Pilot to the Shipping, Offshore and Passenger Industry as well as regulatory agencies (CCG/TC/GNWT etc). He particularly enjoys his Ice Pilot role with Peregrine Shipping as the Master, Officers and Ship's Crew are Russian, all with their own extensive ice experience in the Russian and Canadian Arctic as well as the Antarctic. Also, our ships are Ice Strengthened.....this is "A HAPPY!!" This enables Keith to spread his time and duties between Bridge, Ice Charts/Analysis, Routing, Regulatory Communications, Lectures (on Ice/Arctic Shipping) and sharing his experiences and videos with Passengers and Crew. In 2004/2005 he also joined Peregrine Shipping in the Antarctic. Keith has also been seen (on occasion) in other such places as the dining room, lounge, sauna, swimming pool, library etc - he considers this to be an essential part of his extraordinary responsibilities! When not Ice Piloting or Marine Consulting he can be found either golfing, boating or camping in Campbell River on beautiful Vancouver Island, BC. After all, someone has to do it!!

CAROLINA MANTELLA

Carolina adds some diversity to our English speaking team. She is fluent in Spanish, Italian and English, helping her to communicate with our international clientele. Six years ago after completing a master in Hospitality and Tourism, Carolina joined Peregrine Shipping as our ground representative in Buenos Aires. She very quickly became an integral part of our team, and has now completed over 45 Peregrine Shipping Polar Expeditions as well as extended scientific charters on both the Peregrine Mariner and the Peregrine Voyager. Carolina knows the intricacies of both of our ships and all their working mechanisms, so if you have any questions don't hesitate to ask her. An avid swimmer and traveller, Carolina finds adventures above and below the water – most recently in SE Asia where she obtained her Rescue Diving Certificate. She likes trekking and mountain biking and is learning to handle a camera like a pro.

During the off-season she presented her first photo exhibition in Buenos Aires and joined a 60 ft motor yacht around South Georgia for a petrel and albatross survey. Living in the UK now, Carolina enjoys taking care of her vegetable garden and mountain biking in the High Peak District, where you can find a pub at the end of every trail!

JACQUES SIROIS

Biologist, naturalist and educator, Jacques has nurtured a life-long interest in natural history and wildlife conservation in general, and in marine and freshwater ecosystems and polar matters in particular. Birdwatcher since childhood in his native Québec City, he worked for nearly two decades for the Government of Canada (Canadian Wildlife Service) in the Atlantic, Pacific and Arctic regions of the country. His duties included surveys and studies of migratory birds, as well as the delivery of public education and wildlife management programmes. As a result, he has authored numerous technical papers, reports and educational publications. He has also done dozens of interviews on public radio.





Avid outdoorsman, skier, kayaker, cyclist and practitioner of an environmentally friendly lifestyle, Jacques is usually found where there is water, snow and ice. His Norman ancestry and a youth spent wearing (Harp) sealskin boots – he still owes and wears one pair - may explain his passion for cold, damp places. He currently resides in landlocked Edmonton, where he works as a consultant. Naturalist on small, polar expedition ships only since 2000, he has participated in a wide variety of both Arctic and Antarctic voyages over the last 5 years.

SCOTT MACPHAIL

Beginning his eighth year of polar travel Scott has worked in all areas of operation on the ship from Hotel Manager to Polar Historian on our educational team. Scott also works on board preparing equipment and organising logistics for the positioning and re-positioning cruises, so everything is “ship-shape” when the rest of the staff and passengers arrive. All in all he can spend up to 8 months of the year on the ship! In his off time, Scott will be found relaxing at his cottage and working on his golf game.

STEPHEN SPITTLER

Stephen Spittler grew up in central California. After earning his degree at Stanford University he studied at several German universities and worked on research projects at Stanford Medical School. He began his teaching career at a high school in Santa Barbara, California where he taught English, Biology and History. He earned his MA in Literature at Wesleyan University.

After a sabbatical year as a Fulbright Fellow in Germany, he moved to Berlin where he was head of the English department at a bilingual, bicultural German-American high school. After seven years in Berlin he moved to Palm Springs, California to become principal of a new high school, which he led for eight years.

On another sabbatical leave he began lecturing on ships in the Antarctic and the Arctic. In his seven years working in the Polar Regions he has served as a lecturer, academic coordinator and expedition leader. He currently lives and teaches in Seattle, Washington.



Vessel: AKADEMIK IOFFE - VOYAGE 1

Dates: 20 JUL – 1 AUG

<u>DATE</u>	<u>TIME</u>	<u>ACTIVITY</u>	<u>STAFF</u>	<u>VENUE</u>
20 JUL	1600 1700 1830	BOARDING AK IOFFE WELCOME BUFFET LIFE BOAT DRILL	ALL ALL ALL	D-ROOM LIFE BOAT STATIONS
21 JUL	0930 1100 1445 1630	ZODIAC OPS P.B. / AECO GUIDELINES THE POLAR BEAR ZODIAC EXCURSION	HAYLEY DUTCH PETER ALL	P-ROOM P-ROOM P-ROOM MONUMENTAL IS.
22 JUL	0930 1100 1445 1700 2115	LET'S GO TO THE ARCTIC NUNAVUT THEN & NOW MULTIMEDIA INTRO ZODIAC CRUISE WHAT IS IT?	DUTCH/KEITH PETER CARO/COLIN ALL STEPHEN	P-ROOM P-ROOM P-ROOM CUMBERLAND SOUND BAR
23 JUL	0930 1100 1445 1700 1830 2115	SEABIRDS 101 A PASSION FOR ICE THE WONDERS OF ICE NUNASIAQ –Living with Inuit RED WINE TASTING A STORY BY KNUD RASMUSSEN	JACQUES THE FOSTERS STEPHEN JIM SCOTT / LISA SCOTT	P-ROOM P-ROOM P-ROOM P-ROOM LIBRARY BAR
24 JUL	0700 0930 1130 1445 1700 2115	SHIP CRUISE ARCTIC CIRCLE CROSSING: CHAMPAGNE TOASTING ARCTIC PLUNGE THE JOURNEY TO THE SEA OF ICE BASIC ARCTIC ECOLOGY NAUTICAL TERMS & TRUTHS	ALL ALL BRAVE SWIMMERS THE FOSTERS PETER KEITH	SEAICE EDGE BOW PLUNGE POOL P-ROOM P-ROOM BAR
25 JUL	0630 1000 1400 2100	ZODIAC CRUISE DISCO BAY SEA WATCH TOWN VISIT AND GUIDED TOUR EVENING TOWN VISIT	ALL ALL ALL ALL	SARQARDLIPNUNA OUTER DECKS AASIAAT AASIAAT



26 JUL	0845 1230 1430 2115	ZODIAC CRUISE ARCTIC BBQ TOWN VISIT AND WALK CLOSE ENCOUNTERS WITH WALLY THE WALRUS	ALL ALL ALL JIM	JACOBSHAVEN ICE FJORD STERN DECK ILLULISSAT BAR
27 JUL	0845 0930 1400 2100	UUMMANAQ MOVIE ZODIAC EXCURSION ZODIAC EXCURSION EVENING SEA WATCH	CAROLINA ALL ALL ALL	PRESENTATION ROOM QALAQITSOQ UUMMANAQ OUTER DECKS
28 JUL	0945 1100 1445 1600 1700 1830 2115	LET'S GO PART II SHIP TOUR CLIMATE CHANGE YOGA SESSION LOW LIVES IN HIGH LATITUDES WHITE WINE TASTING RECITATIONS OF ROBERT SERVICE	DUTCH & KEITH CARO/SCOTT/STEPHEN JACQUES CHLOE ZAK SCOTT PETER	PRESENTATION ROOM SHIP PRESENTATION ROOM PRESENTATION ROOM PRESENTATION ROOM LIBRARY BAR
29 JUL	0945 1100 1445 1600 1715 2045	INUIT CULTURE FRANKLIN EXPEDITION PROTECT OUR POLES YOGA SESSION POLAR VOYAGES PROTECT OUR POLES AUCTION	STEPHEN SCOTT JACQUES & PETER CHLOE THE FOSTERS HAYLEY	PRESENTATION ROOM PRESENTATION ROOM PRESENTATION ROOM PRESENTATION ROOM PRESENTATION ROOM DINING ROOM
30 JUL	0630 1000 1115 1500 1545 1630 2115	ZODIAC CRUISE THE FACINATING STORY OF JHON RAE A JOURNEY TO THE NORTH POLE VOYAGE VIDEO SEA WATCH SHIP CRUISE AND HOT COCO MUSICAL NIGHT	ALL SCOTT JIM COLIN PETER/STEPHEN/JACQUES ALL COLIN & LISA	CAPE HAY PRESENTATION ROOM PRESENTATION ROOM PRESENTATION ROOM BOW/TOP DECK/BRIDGE BOW AND TOP DECK BAR
31 JUL	0815 0930 1015 1115 1430 1800 1930	ACCOUNT SETTLEMENT THE OLDEST AND THE NEWEST: GEOLOGY FOR ALL SHIP CRUISE: PB ON ICE VOYAGE FAR AND WILD ZODIAC EXCURSION VOYAGE RECAP CAPTAINS DINNER	CHLOE/SCOTT/LISA KEN DEGREENE (GUEST PRESENTER) THE FOSTERS ALL DUTCH ALL	LOUNGE PRESENTATION ROOM OUTER DECKS PRESENTATION ROOM BEECHEY ISLAND PRESENTATION ROOM DINING ROOM
1 AUG	0730 0800 0930	BREAKFAST PACK LUNCH BUFFET DISEMBARCATION	ALL ALL ALL	DINING ROOM DINING ROOM GANGWAY



Voyage map

