

The Whale Man of Newfoundland and Labrador: Jon Lien 1939-2010

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Born: 19 March 1939, in Clark, South Dakota, U.S.A.

Died: 14 April 2010, in St. John's, Newfoundland, Canada.

“He is at home behind a podium, in a fishing boat, in the belly of a whale, or in a fisherman's kitchen.” *Citation for Dr. Jon Lien's Order of Newfoundland and Labrador*

Dr. Jon Lien was truly an extraordinary man—he was both a force of nature and larger than life. He was warm-hearted, welcoming, humorous, everlastingly inquisitive, passionate, tireless, indomitable, and incredibly knowledgeable. He loved the land, the sea, the whales, his students, his farm, and his friends and family. Jon knew, better than anyone, how to experience joy and wonder in every moment and how to live life to its fullest. His “*joie de vie*,” his curiosity about everything from the mundane to the arcane, his devotion to cause, and his laughter were infectious. No one who met Jon could remain untouched by or forget him.

The Early Years

Ordin Jon Lien was the eldest of four children born to Ordin Justus and Alvera Seim. Born in Clark, South Dakota, on 19 March, 1939, Jon grew up during the scarcity and rationing of World War II. He enjoyed a good family life and learned the values of cooperation, community involvement, and respect for elders.

Jon's love for and interest in animals came at an early age. When his youngest sister, Karin, was born, he was asked if he liked the new baby. His reply? “I'd rather a chicken!”

At the age of four years, Jon rescued a baby squirrel whose mother had been run over by a car. He fed it with a doll's baby bottle. When the squirrel grew up and became aggressive, he decided it was time to release it back outdoors. Before doing so, however, he gave the squirrel's tail a crew cut so he could recognize it if it stayed around.

Jon and his good friend, Larry Larrabee, built a canvas-covered canoe from a design in *Popular Mechanics*, raced push carts constructed from baby carriage wheels, broom handles, and clothes-line rope, competed in soapbox derbies and played a lot of sandlot baseball. In summer they fished for bullheads on their homemade raft in Willow Creek. The fish were always cleaned and donated to the local retirement home.

When he was older, Jon's summers were spent on his uncles' farms working with pigs, cattle, and chickens. One summer day, he came home and announced

to his parents that he wanted to raise chickens. With little consultation, 500 baby chicks were delivered to their door and Jon turned the garage into a chicken house. When it came time to sell the chickens in his father's store, the whole family helped with chopping, dipping, and plucking. For a short while, Jon's fresh, home-grown chicken became a popular Sunday dinner meal in his Watertown neighbourhood and garnered a substantial savings for his first year of college.

Friends have said that Jon's youth and teens were dominated by three themes: animals, hard work, and deep thoughts. He carried these themes throughout his life. Jon was mentored by pastors Hinderlie and Bagne in his Lutheran Church in Watertown, South Dakota. He began to read theology (writings of Martin Luther), philosophy, and ecology. Jon was nurtured by his study in the ideals of fairness and equality. He developed a sincere love of nature, and learned to express himself in discussion, debate and writing.

In 1957, Jon chose to attend St. Olaf College, a liberal arts school in Northfield, Minnesota, to study arts and literature. In his second year, his parents moved to Northfield and purchased the Ole Store, a grocery store and café, so that Jon's siblings could also attend St. Olaf College. That year, Jon also met Judy Traastad. They fell in love and married after graduation in 1962.

Jon spent his summers during college working for the Plymouth Canoe Base in the Quetico Wilderness of northern Minnesota. He also took leave in his third year at St. Olaf for a winter assignment at the base. There he worked with troubled youth from the Minneapolis area and decided that psychology would be valuable as an advanced degree.

Jon was accepted for graduate study at Washington State University in Pullman, Washington. In the fall of 1962 he and Judy travelled west to Washington. Judy would teach elementary school and Jon would embark on an advanced degree in clinical psychology. After a great deal of clinical coursework and internship, Jon was attracted to the animal behaviour studies and the depth of Veterinary Science offered at WSU. It became very clear to him that animal behaviour should be his life's work. His chief mentor Dr. Dud Klopfer, a bril-

liant and complex thinker, brought out the best in Jon. They designed creative research and Jon's disciplined commitment and work ethic brought interesting and valuable results. He was outstanding in his class.

In 1966 Jon and Judy chose their first family pet. A Newfoundland puppy. A serendipitous choice signalling unbeknownst to them, a new course for the couple.

A New Country

Upon earning his doctorate — his thesis was on the behaviour of the Leach's Storm Petrel — Jon had competing job offers from Hong Kong, Chile, Alberta, and Montreal. After a conference trip to New York City's American Museum of Natural History and the lab of T. C. Schneirla, he was encouraged to apply for a position at Memorial University in Newfoundland. One trip to Newfoundland was enough to make him fall in love with the island, and he accepted a position at Memorial University in 1968. Soon after, as he would often say, the community of Portugal Cove chose him and Judy. A fisherman and neighbour, Joe Miller, found them a six-acre parcel of land that came with a deed from Queen Victoria, and it was there that they established their house and organic farm. The house was hand-built with the help of friends over three weekends, with most of the lumber coming from the old Bowring Salt warehouse on the south side of St. John's. When the Bell Island mine closed, Jon bought the used hardwood flooring from its office and laid it throughout the house. He and Judy dug and rocked the well, put panes in the French window frames throughout the house, plastered the walls and built the fireplaces. Jon attacked each home "making" challenge with joy and enthusiasm!

Jon loved teaching and set up an old barn on Mount Scio Road for offices and research space. He used St. John's Harbour, city ponds, and Conception Bay for his initial work with seabirds. Later, the outlying bays and coastal communities became his laboratories. In each outpost and on every project, Jon made friends and good relationships. In 1977 after three years of hearing "strange nocturnal noises" Lien and his students confirmed the only known breeding colony of manx shearwaters *Puffinus puffinus* in North America on Middle Lawn Island in Placentia Bay.

Whale Research Group

During the late 1970s, a new problem emerged in Newfoundland and Labrador waters. In their search for food, humpback whales were colliding with and becoming entangled in the fishing gear of inshore fisherman. In 1978, Jon received a call from fishermen about a humpback whale that had been entangled in a net for several months and was gradually starving. Jon arrived on the scene and managed to release the animal. It wasn't long before other fishermen in the same predicament were calling him.



FIGURE 1. Jon Lien at home in Newfoundland outside his barn with his Newfoundland dog Jenny and a goat kid.

It was the beginning of his destiny: Jon secured a small government research grant and founded the Whale Research Group, the principle focus of which was the Entrapment Assistance Program. Whales tangled in fishing nets were a significant problem for both the animals and men. Previously, the entrapped whale often died, and the fishermen who owned the ruined nets suffered serious financial losses and lost their chance at earning an income for their family for a part or all of the short fishing season. The Entrapment Assistance Program offered technical assistance and services to fishermen and entrapped animals across the province. Fishermen responded and found at last that they had a committed partner to assist them with this problem. At its peak, the program dealt with 150 entrapped humpbacks each year and 11 different species of whales and dolphins were safely released from fishing gear. The Whale Research Group also ran an educational program for schools.

As the leader of the Whale Research Group, Jon became passionately committed to marine environment conservation as well as the welfare of fishermen. He had a trusted relationship with a fishing community that generally regarded scientists with suspicion, and

he was at the forefront of a new generation of fisheries researchers who learned to work with fishermen rather than work around them. Jon is credited with saving hundreds of whales trapped in fishing gear, but he always considered the “endangered fisherman” as well, helping them to haul in and mend their nets after an entanglement and encouraging them to tell their story.

Jon was one of the first researchers to use an ecosystem approach to whale conservation. His understanding that whales, fish stocks, seabirds, and fishermen were all inexorably linked both ecologically and economically was radically different from the single-species management blueprint of the day. He invented a series of alarm systems including the “Lien pinger” to warn whales away from fishing nets and prevent entrapments, and he pioneered entanglement rescue techniques that are now used all over the world. His work earned him unequalled respect from both fishermen and scientists around the globe.

Education was always a main focus for Jon, and graduate students from across Canada and the United States, England, Brazil, Argentina, and Germany applied to work with and be mentored by the “Whale Man.” He was unfailingly generous with his students, offering them beds in his cabin if they had no place to stay, finding scholarship money for them, and helping them to publish their work in scientific journals. His encouragement of academic excellence and practical knowledge gained through hands-on experience transformed his graduate students into independent and motivated researchers.



FIGURE 2. Jon Lien attaches whale alarma to a cod net.

Environmental Conservation

Jon’s professional life expanded in the late 1980s: he helped establish new policies through the International Whaling Commission; he shared his ideas and counsel through speaking engagements throughout the world; he cooperated in various studies in Australia, Holland, China, Brazil, Trinidad, Indonesia, and the United States; and after visiting marine aquariums around the world, he completed a major report titled “Cetaceans in Captivity” for the Canadian government. He believed that ordinary people should have contact with whales and the sea, and he worked with tour boat operators to create a Code of Conduct for Whale Watching in Newfoundland’s coastal waters.

Jon was passionate about environmental conservation. He helped to create, guide, and work on behalf of the National Parks and Marine Protected Areas, the Canadian Parks and Wilderness Society’s Newfoundland and Labrador Chapter, the Protected Areas Association of Newfoundland and Labrador, and the Torngat Mountains National Park.

Jon was also an active member of many provincial, national, and international organizations and committees. These included the Department of Fisheries and Oceans’ Minister’s Advisory Committee on Oceans, the Terra Nova Development Project Environmental

Assessment Panel, the International Union for Conservation of Nature Commission on National Parks and Protected Areas, the Fisheries National Roundtable on the Environment and the Economy, and the Fisheries Resource Conservation Council. He also spent time at the United Nations working on Law of the Sea policy.

For his work, Jon was awarded the Order of Canada, the Order of Newfoundland and Labrador, the 125th Anniversary of the Confederation of Canada Commemorative Medal, the Lifetime Achievement Award from the Newfoundland and Labrador Department of Environment and Conservation, the Keyes Award for Research and Conservation, the Department of Fisheries and Oceans’ Deputy Minister’s Award, the World Environment Day Award, and an Honorary Doctor of Science from St. Olaf College.

“Jon Stories”

Jon left a zodiac full of stories wherever he worked and those stories took shape immediately when people got together who had worked with him. Like a cat, Jon seemed to have nine lives. One brush with death took place in Australia while assisting scientists with whale and shark deterrents. He was helping a friend

bait shark hooks along a stretch of shoreline known for shark attacks and where a swimmer had been taken just days before. When the automatic trawl line full of hooks advanced, Jon's hand was hooked and he was pulled off the boat. The skipper of the boat jumped in after him and the boat sped off with a mind of its own. "I'll make it!" Jon assured the skipper. He cut the trawl line with his Swiss army knife to free himself, got rid of his shoes, and swam a full mile back to shore, bleeding, dragging a buoy, and with the shark hook still embedded in his palm. The jaws of life were needed to cut through and remove the hook from his hand, and Jon escaped with a treatable tropical infection.

Then there was the capsizing of his zodiac off Lords Cove on the Burin Peninsula of Newfoundland. He managed to hold onto the boat and showed up in the community in the early morning looking to rinse the engine with fresh water on a day when it was too rough for inshore fishermen to go fishing. There was the time another scientist aboard a fishing boat off Red Island in Placentia Bay came upon a radar target in thick fog. The first question was "Do you have shear pin for a 25 Johnson". It was Jon and a student in a zodiac – broke down.

Then there was Jon's trip to Toronto in the 1970s for a specialized procedure to repair and stabilize a collapsed lung. Just released from the hospital, he called Judy to wire money to Toronto because he wanted a goat breeder at the Royal Winter Fair to sell him some dairy goats. He succeeded in buying the goats, built the shipping crates himself to contain all 12, and hitched a ride in the cockpit with the pilots while they freighted the goats back to Newfoundland. And the stories could go on and on and on.

Lien Family Farm

Jon loved farming. When he and Judy bought their land in Portugal Cove, he immediately planted a garden, began working to improve the soil, and constructed the greenhouses that he knew would extend the short Newfoundland 60 day growing season. Over the years, he added a barn and paddock, a root cellar, a tractor shed, a cabin, and a two-storey chill building. He hauled thousands of bags of leaves, manure, and sawdust and dump truck loads of peat to create fertile ground. An organic inspector who certified farms from Ontario to Newfoundland declared that the soil at the Lien Family Farm was more productive per square foot than any other soil she'd ever seen.

The Lien family raised goats, chickens, turkeys, and pigs and produced more than 50 different crops for the Organic Veggie Co-op/Lien Farm Share CSAs supplying local families and a St. John's health food store. On Thanksgiving 2002, the Lien Family Farm celebrated its 30th anniversary. Today, the land is still worked organically by a group of young farmers who sell their produce in community shares.



FIGURE 3. Jon Lien recording data on dolphins.

Later Life

On 16 October 2002, Jon was involved in a truck accident that changed his life with a refocus on his personal health. Nevertheless, in 2003-2004 he helped to complete a study encouraging a sustainable lobster fishery in Eastport, Bonavista Bay. He determinedly helped with chores on the farm, and he sought out, purchased, and began working a tract of land in central Newfoundland.

Over the next few years, Jon's mobility became increasingly difficult and daily tasks became a challenge. Jon was hospitalized in 2007, requiring full-time nursing home care. Judy remained a steadfast companion until his death.

On Wednesday, 14 April 2010, at the age of 71, Jon died of heart complications. Jon was predeceased in death by his parents and sister Mary (Lien) Wilson. He is survived by his wife Judy (Traastad) Lien, sister Karin (Lien) Watson, brother Richard Lien, daughter Maren (Lien) Hinlopen, sons O. J. Lien and Elling Lien, and grandchildren Teya and Talia Hinlopen and Ellen Ann Lien.

Jon Lien's was a life well lived, well loved, and will not be forgotten.

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Patents

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