The Bells of Baddeck
by P. Richard Lindo

Alexander Graham Bell and his family first visited the Cape Breton town of Baddeck in the summer of 1885. The Bells, en route to Newfoundland, made a stop in Cape Breton at the suggestion of Mrs. Bell's father, Gardiner Greene Hubbard, who was acquainted with that part of Nova Scotia because of his interest in the Caledonia coal mines at Glace Bay.

A few years earlier, Bell had read Charles Dudley Warner's book, Baddeck and that Sort of Thing. He remembered Warner's description of the charms of Baddeck and decided to see it for himself. He was not disappointed, for Warner had not overdrawn the appeal of the town. A few days later when the steamer for St. John's ran aground near Portugal Cove, the Bells cancelled their Newfoundland trip in favour of a return visit to Baddeck.

The second visit confirmed first impressions. "Baddeck is certainly possessed of a gentle, restful beauty", wrote Mabel Bell, "and I think we would be content to stay here many weeks just enjoying the lights and shades on all the hills and isles and lakes".

As for Alexander Graham Bell, the Bras d'Or Lakes reminded him of the salt lochs of his beloved Scotland and he felt very much at home not only with the scene but also with the people of Cape Breton, with their Scottish background and names reminiscent of the Highland Clans.

For many years the Bells had been seeking a summer retreat of salt water, mountains and valleys and cool climate, far enough from fashionable centres to allow them to live a simple, free and unconventional life. Baddeck fulfilled all their requirements. The cool climate was particularly appealing to Bell, for he hated the summer heat of his Washington home.

Returning to Baddeck in the summer of 1886 the Bells rented an abandoned four-room cottage on the outskirts of the town. The cottage which they later bought and enlarged, fronted on Baddeck Bay. Across the bay several farms divided a headland which stretched approximately three kilometres out into the blue lake. The red bluffs at its top gave this jutting peninsula the local name Redhead.

In their exploratory trips about the countryside Bell and Mabel one day climbed to the top of Redhead. From a little clearing at the summit they could see a magnificent panorama of the Bras d'Or Lakes. The view so fascinated them that they determined to own the hill.

It took Bell seven years to acquire all the land he needed. Renaming the headland "Beinn Bhreagh", Gaelic for Beautiful Mountain, he made plans to erect an elaborate house on the property. In the meantime, he and his family were to spend the summers in the "Lodge", a cottage which he and his secretary, Arthur W. McCurdy, designed and had built in 1889.

When the main house, Beinn Bhreagh Hall, was completed in 1893 regional newspapers described it as one of the finest mansions in eastern Canada. In the words of one of Bell's granddaughters, Lilian Grosvenor Jones, "the house was, and is, big and ugly in the flamboyant style of the eighties".
Nevertheless for Bell and his family, the house was to give long and happy service.

By the time Bell had begun to establish his summer home near Baddeck he was already internationally recognized, not only for his invention of the telephone but also for other products of his creative genius. As he achieved financial independence, it became possible for him to devote his time to research in other fields.

For many years Bell had had an interest in flight, or as he preferred to call it, aerial locomotion. At Baddeck he pursued this interest with characteristic energy, and began studying the flight of kites, considering this the best and safest approach to the problem of aviation. By 1901 he was working with a tetrahedrally designed kite, a design based on the triangular pyramid which gave it stability. In the following years, giant kites of this type were built and flown.

Bell's experimental work attracted to his home at Beinn Bhreagh a group of talented young men devoted to aviation. In October, 1907, at the suggestion of Mabel Bell, he entered into an agreement with these men for the joint production of experiments on aerial locomotion. The organization was named the Aerial Experiment Association and its work was financed by Mrs. Bell.

The Association included Bell, Glenn H. Curtiss, a manufacturer of motorcycles and engines from Hammondsport, New York, F. W. (Casey) Baldwin and J. A. D. McCurdy, both engineering graduates from the University of Toronto, and Lieut. Thomas E. Selfridge of the U.S. Army.

In 18 months of activity, at both Hammondsport and Baddeck, the Association made important contributions to the development of aviation. By mutual agreement, each member was charged with the responsibility of designing and supervising the construction of a powered machine. The fourth machine, McCurdy's Silver Dart, was built at Hammondsport and taken to Baddeck. On February 23, 1909, McCurdy, in the Silver Dart, took off from the ice of Baddeck Bay and flew a distance of 800 m. This was the first airplane flight in Canada and the first by a British subject anywhere in the British Empire.

While experimenting with airplanes, Bell and his associates sought to apply the principles of powered flight to boats. Baldwin was particularly interested in this line of experiments. Over a number of years, he and Bell developed a system of hydrofoils which saw practical application in the highly successful HD-4, the large cigar-shaped hydrofoil craft which, in 1919, achieved a record water speed of 114.04 km/h. In the 1950's the Canadian Navy adopted the Bell-Baldwin system of hydrofoils for
use in its prototype ship, the H.M.C.S. 
*Bras d'Or.*

Until virtually the last days of his life 
Bell remained a man of driving energy 
and insatiable scientific curiosity. 
A single project was never enough to 
preoccupy him. While experimenting 
with flying machines or hydrofoil craft, 
he also busied himself attempting to 
develop a flock of twin-bearing sheep, 
a research project which he enthusiasti- 
cally maintained for almost 30 years. 
He also turned his attention to life-
saving devices, experimenting with 
methods of recapturing water from 
human breath, and with a type of solar 
still which could provide drinking 
water aboard small boats adrift at sea. 

Of all his interests, however, the one 
that Bell himself identified as being 
closest to his heart, and certainly the 
one that ran through all his adult life, 
was his interest in improving the 
teaching of the deaf. 

Alexander Graham Bell wanted the 
deaf to be taught speech and lip 
reading, not a sign language that set 
them apart from normal persons. Helen 
Keller, whose education he helped 
direct, and his own wife Mabel, who 
had been deaf since the age of five as 
a result of an attack of scarlet fever, 
showed what could be done. 

Bell conducted extensive research 
on the heredity of deafness, published 
numerous articles on the subject and 
gave financial assistance to individuals 
and organizations devoted to the edu-
cation of the deaf. His own organiza-
tion, the Volta Bureau, which he formed 
with funds he received as his share 
from the sale of graphophone patents, 
continues its good work today in 
Washington, D.C., under the name 
Alexander Graham Bell Association 
for the Deaf. 

For the people of Baddeck it was a 
matter of considerable civic pride to 
have such a famous resident among 
them. They admired and respected Bell 
and, despite his tendency to be some-
what aloof at times, felt comfortable 
in his presence. As for Mabel Bell, the 
feeling for her was one of genuine 
affection. Today, those among the resi-
dents of Baddeck who knew her, speak 
of Mrs. Bell as a “very remarkable 
 lady” who was in no way overshadowed 
by the greatness of her husband. 

Through her efforts the Baddeck 
Public Library was established, a Home 
and School Association was organized 
and the services of a V.O.N. nurse were 

obtained. A pet project of hers, the 
Cape Breton Home Industries, provided 
opportunities for many women in that 
area to develop skills in sewing, knitting 
and lace-making. 

The fine craftsmanship which is very 
much in evidence in Cape Breton today 
is probably due in part to the work of 
her organization. But Mabel is perhaps 
best remembered for her Young Ladies' 
Club of Baddeck, a club which she 
founded in 1891 to “stimulate the 
acquisition of general knowledge and 
to promote sociability among the young 
people of Baddeck”. The club, with 
its name changed to the Alexander 
Graham Bell Club, continues to function 
today with a full and active program. 

In 1954 the daughters of Bell, Mrs. 
Gilbert Grosvenor and Mrs. David 
Fairchild, generously donated to the 
people of Canada a priceless collection 
of artifacts, relics of experimental 
work conducted at Beinn Bhreagh, 
which reflect the extraordinary versatile 
mind of Bell. 

The Canadian Government agreed, 
in return, to construct and maintain 
a suitable building for the extensive 
collection. The Alexander Graham Bell 
Museum, opened to the public in 1956, 
is one of the most popular National
Historic Parks operated by Parks Canada.

Over the years the Bell family and the National Geographic Society have supplemented the original donation with artifacts relating to Bell's Washington Volta Bureau years, replicas of early telephone models, hundreds of historic photographs and the remains of the HD-4 hydrofoil craft.

Recognizing the need for additional space to adequately display the collection, Parks Canada began an ambitious expansion program at the Alexander Graham Bell Complex in 1975. The new facilities will open to the public in May 1978.

Most of the space in the new display will contain exhibits relating to Bell's Baddeck years—his sheep breeding experiments, his work on aerial locomotion, his marine experiments and his experiments for children. There will also be special displays on Mabel Bell and on Bell's lifelong interest in the education of deaf-mutes.

The last hall in the expanded Complex will be devoted to hydrofoil craft, in particular to the HD-4, and Baldwin's work on hydrofoils after Bell's death in 1922. Highlights of this hall will be the exhibit of the remains of the original HD-4 and a full-scale reconstruction of the craft.

As a teacher, scientist and inventor, Alexander Graham Bell dedicated his life to the benefit of mankind with unusual success. This is the underlying theme of the Alexander Graham Bell Complex at Baddeck, Nova Scotia.

Beinn Bhreagh Hall remains the private property of the Bell family and Parks Canada wishes to express its appreciation to the family for permission to photograph the grounds and house.
This publication is a reprint from *Conservation Canada* (1978), Environment Canada, Parks and is sold exclusively by the Telephone Pioneer Society sales outlet, Alexander Graham Bell National Historic Park.

ISBN 0-9691853-2-4

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The expanded museum facility was opened to the public in 1978.