

What Is An Investment Trust?

The long and successful record of the British investment trust movement has proved conclusively that the real investment trust, organized on sound principles, can grow and succeed even in periods of adverse economic conditions.

May we send you a copy of our booklet "The Investment Trust" which covers every phase and class of this type of investment in a most thorough manner?

Eastern Securities Company Limited
CHARLOTTETOWN MONTREAL HALIFAX

In Memoriam

A. W. BRUCE

Alexander W. Bruce was born at East Baltic, Kings County, P. E. I., May 21, 1845 and departed this life in the Prince Edward Island hospital, Charlottetown, on January 28, 1929, the last of a family of seven. The funeral services were conducted at

the home of his daughter, Mrs. Walter Young, Kingsboro, by Rev. R. H. Morton, on January 31st and the body was laid to rest beside that of his wife in the Baptist Cemetery. The hymns sung at the funeral were "Saved by Grace" "No Night There" and "We are going down the valley, one by one."

The pall-bearers were his nephews: Raleigh, Chester, Robert and Elliott Bruce and Renfrew and Stanley Cameron.

He is survived by five daughters: Mrs. J. A. MacLean, Oakland, California; Mrs. C. E. Smith, Lynn, Mass.; Mrs. William Daley, Brockton, Mass.; Mrs. W. C. Bartlett, Montreal, Can.; Mrs. Walter Young, Kingsboro, P. E. I., and two sons, W. G. of Charlottetown and Harry of East Baltic.

In the death of Mr. Bruce, King's County has lost one of her grand old men, and his familiar figure, his beaming eye and his kind-voice will long be missed among those who had the privilege of his acquaintance. Physically, he was a splendid specimen—his form erect, his step light and his face glowing, reflecting the thoughts of a noble mind, despite his more than foreseer years. Mentally, he occupied a place among the foremost. He was a calm thinker, a wide reader and a ready writer. In judgment, he seldom erred. Morally, his standard was high, and by precept and example, he ever sought to influence others to lead the nobler life. He was intensely interested in all that pertained to the good of his country, especially moral and social reform.

An ardent temperance advocate, he not only abstained from wine and strong drink, but sought temperance in all things. He was a good neighbor, ever ready to assist where assistance was needed, charitable in his attitude towards others believing "to err is human; to forgive divine."

In the home, he and his wife (Catherine Cameron) were the essence of hospitality and after his wife's death, the home was kept open until two years ago, when he reluctantly yielded to the wishes of his family to abandon the responsibilities of a householder.

Of a deeply affectionate temperament, he was very much devoted to his family and their wives and their husbands, while he almost idolized his grandchildren.

In religious belief, Mr. Bruce was a Baptist and a member of the East Point Church. His attitude toward life might be summed up in the words that Tennyson applied to one of his heroes: "Follow the King; Live pure

A Door

Continued from page 4

resolves one's world into a diminutive hollow hemisphere, filled with silence, and on all sides fading into nothingness. One's narrow field, however, if wisely chosen, may team with life.

"It is more than probable that long-spined sea urchins, like animated callotrops, infest the place, twiddle their spines suggestively if one approaches, or make off at a surprising rate of speed to shady places if disturbed. Yellow, brown or purple gorgonians, heavy with expanded polyps, stand on every side, with an occasional coiled basket star close wrapped about their branches, where its inertness completely belies its amazing power of motion.

"Large spiny lobsters, torn between distrust and greed, from under mushroomed heads of coral protrude their antennae and wave them frantically over proffered food. Hermit crabs with heavy shells sit aloft on purple sea fans. With their spoon-shaped fingers spider crabs, ensconced in safe retreats, grub off the encrusting growth of plants and fill themselves to repletion. Others lie safely buried, to venture abroad only under cover of darkness. But manifold are the forms and habits of other creatures, and particularly of Crustacea, the fish fauna surpass all in number of species, vivid coloration, variety of adaptations, and, one might almost say, in personality.

Vivid Coloration

"The variety in coloration of fishes is an unending source of delight. Whether one looks down upon them through the glassy water or whether they float into one's field of view through the circumambient haze, they provoke recurrent expressions of admiration. One is thrilled as by the beauty of Aladdin's garden.

"Particular colors are correlated with specific habits. Red, for example, is almost wholly restricted to nocturnal fishes which lie hidden by day. The greens, on the other hand, characterize such species as live upon

the green reef-flats, or swim near the surface in open water. The fishes displaying the most vivid color combinations move in the most varied environments. The color of all, in brief, appears to conform to a rational and simple system of distribution.

"The coloration of many of the species is changeable and may be experimentally controlled. Equipped with diving hood one may walk about freely and thus lead carnivorous forms from point to point by offering them food. It is possible under such circumstances to evoke their various color phases at will by selecting the spot to which the creatures are led, and, if desired, to observe at closest range each minute effect of their changed environment.

"The movements of herbivorous forms are not subject to quite such definite control, but one may walk up of browsing schools of tangs or parrot fishes, follow them about, and secure information with little effort. All the creatures may be photographed amid perfectly natural and typical surroundings with much less difficulty than might be expected. Hence encouraging progress in securing pictorial record of the phases assumed by a number of species under controlled conditions has been made."

Laboratory on Dry Tortugas

Loggerhead Key is the largest island in a group of eight "keys" of islands (cayo-the Spanish for "island") 70 miles west of Key West. Ponce de Leon, who on the occasion of their discovery captured 170 great sea turtles, named the group. "The Dry Tortugas"—"Dry", because no fresh water is there to be had save the rain as it is caught in falling; "Tortugas," the Spanish word for "turtles." These islands, the outposts between the Gulf of Mexico and the Straits of Florida, are but low bars of shell and coral sand barely showing at high tide. Their combined above-water area is less than a quarter square mile.

However, it has been estimated that were the sea bottom to be elevated twenty feet, twenty square miles would emerge, the existing islands would grow much larger, and several of the group, lost within a century, would reappear. These new islands, together with the old, would form an imposing atoll, ten miles long and five wide, with three chief ship channels and several smaller ones, connecting the lagoon with the open sea.

The proximity of the Tortugas to the warmest and purest water of the Gulf Stream, itself rich in deep sea life; the extent and accessibility of the coral reefs, themselves teeming with life; the general healthfulness of the region; and the fact that its waters are undisturbed by local fisheries, led the Trustees of Carnegie Institution, in 1903, to authorize the establishment there and maintenance of a station to be devoted to the intensive study of marine life.

Influence of the Director

Dr. Alfred G. Mayor, one-time assistant to Alexander Agassiz, was appointed its director. Until his death in 1922 Dr. Mayor was indefatigable in planning the work, and in securing and organizing the facilities. The qualities of his mind and heart were such that he naturally supplied that stimulating and magnetic leadership essential to accomplishment of the high order that has been attained at Tortugas.

Eloquent testimony to his inspiring leadership is found in the hundreds of short monographic studies made and published during his lifetime and in the more extensive investigations, continuing over many years, such as that of Vaughan, on the geology and paleontology of the West Indies; Tennen, on the normal growth of sea urchins, their development from egg fragments and their hybridization; Schaeffer, on marine amoebas; and Longley, on the coloration of fishes.

The esteem in which he was held by his colleagues is finely expressed in the inscription on a bronze tablet erected near the laboratory which he loved so well—"brilliant, versatile, courageous, utterly forgetful of self, he was the beloved leader of all those who worked with him and who erect this to his memory."

The Tortugas Station

The station at Tortugas as it now stands after twenty-five years is equipped to care for the needs of 12 scientists and a crew of 8 assistants. A 70-foot motor boat, making a trip to Key West once every two weeks, provides the necessary contact with the outside world.

And here assemble, upon invitation, men who have already displayed exceptional ability in the prosecution of research and whose problems may be better studied at Tortugas than elsewhere. It has been the aim of Carnegie Institution to bring these men to Tortugas, to supply them with the facilities which their work requires and to maintain them during the period of their stay without cost to themselves. And here these men, with eyes trained to observe and to

interpret, peer through the door into the tropical under-sea world in the effort to unravel the mysteries which life has here woven about itself.

But it must not be thought that these men spend all their working hours or indeed many of them beneath the sea. There are many problems that can best be studied at laboratory table with microscope, and stains, and electrical devices. For researches in physiology, in regeneration, in embryology, in cell structure and action, in the behavior of protoplasm, even in tracing the life-cycle of many organisms from egg to adult and back again, the laboratory with its ample and varied equipment is essential. So to designated spots on shoals and reefs to motor boats each morning, gathering fresh quantities of the material needed for the day's work.

Familiarity With Sea Bottom

And it is just here, in directing the collectors where to go for the daily supply, that the many hours Professor Longley has spent under water, quite apart from the bearing they have had on his own researches, have borne rich fruit. So familiar has he become with the sea bottom of that great region and with the organisms that live there that he can instruct the collectors very definitely where to go to secure the specimens desired.

Does De Laubenfels need living sponges of a particular kind, or Blinks a fresh supply of Valonia, or Grave a certain species of Ascidian, or McCoy Trematode larvae, or Gordon and Lewis fish of specified types? Instantly Professor Longley directs his assistants to the places where these may be obtained. His intimate knowledge of his submerged garden and of the things that are living therein is of incalculable aid to the scientists who go to Tortugas, many for but a brief period, and who could ill afford the time it would take now to find the material they require.

The Working Season

The working season at the station is short—only the four summer months. For the most part, the men who accept invitations to Tortugas occupy positions of responsibility in established institutions. They can leave their offices only in the vacation period. Again, weather conditions at Tortugas are not propitious except during spring and summer, for the islands lie in the zone of tropical hurricanes. Dangerous storms, however are rare in the summer months. So when September comes windows are boarded up. Engineer Mills takes the fleet of boats to Miami for safety, and this door into the amazing submarine world is left for another year, guarded by the keepers of the island lighthouse and the "ghost" crabs which swarm the sands.

Stock Quotations

HALIFAX, Feb. 23—Quotations furnished by Johnston and Ward members Montreal Stock Exchange.

MONTREAL STOCK EXCHANGE

Abitibi	52
Missouri Kan. & Tex. Ry.	505
Montreal Power	112 1/2
Steel Co. Can. Com.	61
Winnipeg Electric	80 1/4
Brompton	47
Brazilian Traction	68 1/2
Shawinigan	87 1/2
Canadian Steamship Co.	48 1/2
Dominion Bridge	104 1/2
Massey Harris	83
Asbestos	17 1/2
Canadian Brewery	29
Fraser and Co.	84
Chas. Gurd.	39 1/2
Power Corporation	119
Inter Utilities—A	47 1/2
Inter Utilities—B	22
British America Oil	52 1/2
Imperial Oil	94

BANKS

Bank Commerce	355
Bank Royal	374
Bank Montreal	372

WHEAT

Mar.	127 1/2
May	132 1/2
July	134 1/2

CORN

Mar.	94 1/2
May	99
July	101 1/2

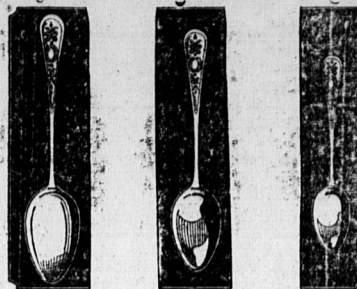
OATS

Mar.	50
May	51 1/2
July	49 1/2

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THE CHARLOTTETOWN GUARDIAN

UNCLE RAY'S CORNER

THE LEANING TOWER OF PISA

In Northern Italy is a city called Pisa. Its chief claim to fame is that it is the home of a tower which leans to one side. The top of the tower is 14 feet more to that side than it would be if the building stood straight up.

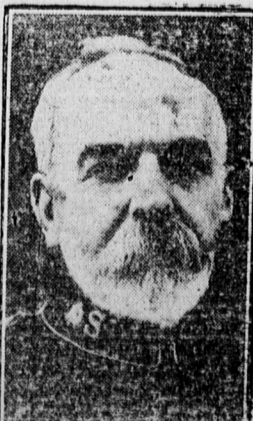


The leaning tower of Pisa

Work was begun on the tower about 750 years ago—in the year 1174, to be exact. Everything went well until the third story was completed. Then the architect noticed that his building was "heeling over." The ground under one side of the base must have been softer than the rest.

For a while no more work was done; but the architect decided to keep on until the upper stories were complete. He decided that the tower would stand if the upper stories were made so as to allow for the leaning. He knew that the "center of weight" must not be beyond the side of the structure.

That architect died long before the building was finished but his idea has been proved correct by the passage of time. The top story—the eighth—was completed about 1350



Commissioner D. Lamb of the Salvation Army, who may become chief of staff, in succession to General Higgins, who has been appointed leader of the Salvation Army, Commissioner Lamb is well known to Canadian Salvationists. He is international secretary of the army. He was once mentioned as possible leader of the army in Canada.

Operated electrically by a smaller instrument, a thermometer that can be read several miles has been erected on a 75 foot tower of a museum at Munich.

and the tower has stood ever since.

Thousands of persons from foreign lands visit Pisa each year, chiefly in order to see the tower which leans but does not fall.

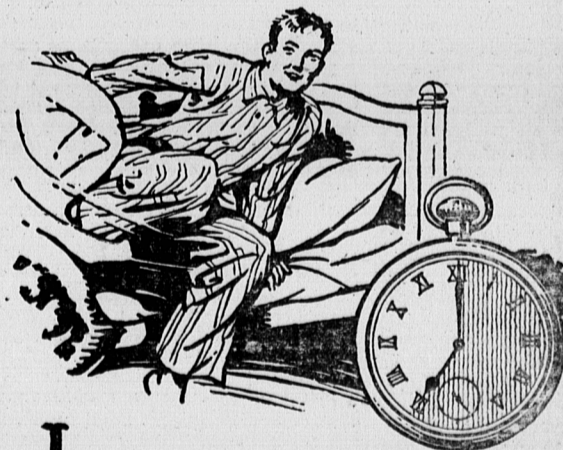
An interesting event took place in the Leaning Tower of Pisa two centuries after it was finished. A young teacher at the University of Pisa went to the top carrying a heavy piece of metal and a light piece. The man's name was Galileo.

"You claim," said Galileo to other teachers, "that iron weighing twice as much will fall twice as fast. Now I am going to prove that you are wrong."

Galileo let the two weights fall at the same time, and they struck the ground together. By actual test he had proved the error which had been taught by other teachers.



J. J. McSweeney, C. L. U., of Toronto, elected chairman of the Board of Directors of the Life Underwriters Association of Canada at the Annual Meeting of the Association held in Toronto on February 8th. Mr. McSweeney is a Toronto manager of the London Life Insurance Company.



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Apr. 19	To Liverpool	Montclair
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May 3	To Liverpool	Montclair
May 10	To Liverpool	Montclair
May 17	To Liverpool	Montclair
May 24	To Liverpool	Montclair
May 31	To Liverpool	Montclair
Jun 7	To Liverpool	Montclair
Jun 14	To Liverpool	Montclair
Jun 21	To Liverpool	Montclair
Jun 28	To Liverpool	Montclair
Jul 5	To Liverpool	Montclair
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Jul 19	To Liverpool	Montclair
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Sept 6	To Liverpool	Montclair
Sept 13	To Liverpool	Montclair
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Sept 27	To Liverpool	Montclair
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Jan 17	To Liverpool	Montclair
Jan 24	To Liverpool	Montclair
Jan 31	To Liverpool	Montclair
Feb 7	To Liverpool	Montclair
Feb 14	To Liverpool	Montclair
Feb 21	To Liverpool	Montclair
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