FIFTY YEARS OF PROGRESS

Described at Scientific Association's Semi-Centennial.

fact that it was just fifty years ago on November 16, the society held its first meeting, extended a cordial welcome to the old and new members. In a brief sketch of the world's progress he brief sketch of the world's progress he entertainingly traced achievements such as the fast ocean liners, railways, the telegraph and telephone, which had revolutionized things in the last fifty years. What might not be expected in the next thirty years, he asked. Speaking of the advances in chemistry, physics and medicine Mr. Hill asked why it was that Hamilton had no college. 'It is a strange thing,' he said, "that Hamilton, one of the most important cities in the Dominion has no college when such places as London, Kingston and others have their colleges and universities. Why is this? Has Hamilton done its part or is there something in the atmosphere that shuts. Hamilton out?"

In a reference to Canada's greatness, its vast resources and steady march of progress, Mr. Hill said he thought the people of the Dominion had much for which to feel grateful. Touching on the society's work, he said, he felt that if the general public were aware that more than half of the papers at the meeting were of a literary character the attendance would be larger.

Mr. Adam Brown, one of the pioneers of the organization, spoke reminiscently of those associated with the society in the society is associated with the society in the society as associated with the society in the socie entertainingly traced achievements such

Mr. Adam Brown, one of the pronees the organization, spoke reminiscently those associated with the society in early days. Many of these he said are eminent men, whose fame and me, had exceeded Canada's bounds. name, and exceeded thanks bounds.

Among those from whom letters of regret at being unable to attend and congratulations to the society on the celebration of its semi-centennial were received, were the following: Sir Sandford Fleming, the President of the Royal Astronomical Society, Toronto; Bard William Murray. Dr. Burgess, of Mouth ard rieming, the President of the Roy-al Astronomical Society, Toronto; Bard William Murray; Dr. Burgess, of Mou-treal; Professor McCoomb, C. T. Keefer, formerly engineer of the Hamilton wat-erworks, who was referred to by Mr. Brown as one of Canada's greatest men; Dr. Hersings of Vinestor. Dr. Herriman, of Kingston, who was Vice-President of the society in 1900; Dr. Marsh, for years one of the society most active officers, and Mr. Leggat, one of the original charter members.

Mr. Brown, in his address, said that

Mr. Brown, in his address, said the men connected with the society in tis early days were men who had faith in Hamilton. The one thing required after the establishment of the waterworks to emphasize Hamilton's attractiveness to manufacturers was supplied by the to manufacturers was supplied by the Cataract Power Company, which was making the city what it was to-day.

After Fifty Years.

H. B. Witton, one of the fathers of the society, then read a well prepared and comprehensive sketch, under the above title, and which was as follows:

In well chosen words, reference has been made to this as the jubilee year of the Hamilton Association; and our

been made to this as the jubilee year of the Hamilton Association; and our Secretary has favored us with a sketch of the society's listory. Fifty years are indeed but an infinitesimal fraction of the past, the mere twinkling of an eye in contract with those cycles of change which make up the history of the world. But modern events speed on at an accelerated pace. Fifty years bring in their train countless evolutions; and short as their span is, it nevertheless is longe; than the average time allotted to individual man upon the earth.

Fifty years ago a dozen citizens deeming the time opportune for concerted action, met together and organized the Hamilton Association. The meetings of these foundation men of our society were informal, and their doings were devoid of ostentation. But they were men who had high aims, and their plans were comprehensive. It was decided that in process of time the chief work of the newhorn association should be to investigate the physical geography, geology, flort, fauna and artiquities of this district. Fairly optimistic, these men were confident that the trend of events fav.

| fiton Bay, and was a traffic item of some importance for the newly opened circat Western Railway, An officer of the Railway, Mr. Samuel Sharp, a member of our Society, instructed by hale collections of minerals and fossiles, fail and poished samples prepared to illustrate our extensive list. Complete sets, each specimen bearing its botanical, and when possible its popular name, were sent for exhibition to London, and to Paris; and some of them I think still find place in our museum.

Soon after competion of this piece of practical work concerning Canadian forest trees, a list was prepared of the form of the Nigara peninsula. The chief contributors to that service were port. The chief contributors to that service were port. Craige, Judge Logic, and Mr. Westlam Craige. Bursey of Canadian forest trees, a list roal of membership, and that first consensus of cpinion as to our local flora, several times since, has been revised and extended. Its second issue was under supervision of the late J. M. Buchan, M. A., whose frequent contributions, on many subjects to our society were widely read Later revisions of this list have been the work to membershap abeen mounted with a care that has a fecivity of the second issue was under supervision of the late J. M. Buchan, M. A., whose frequent contributions, on many subjects to our society were widely read Later revisions of this list have been the work of members happily still our associates; and a collection of pressed local floral specimens form minerals and frem the lowest to the highest palaecotic Canadian reference of the mount of the late J. M. Buchan, M. A., whose frequent contributions, on many subjects to our societies of the second security were widely read Later revisions of this is thave been the work of members happily still our associates; and a collection of pressed local floral specimens form minerals and form where the contributions of the late J. M. Buchan, M. A., whose frequent contributions, on many subjects to our societies of the second security were wi Reminiscent Addresses By Pioneers of the Organization.

Recalls Names of Many Eminent Men Formerly Connected With it.

The conversazione given in the Conservatory of Music hall last evening to mark the Hamilton Scientific Association's semi-centennial, attracted a representative audience of members and of friends of the society. A thoroughly enjoyable and appropriate programme, in which reminiscent addresses, dealing with fifty years of valuable work and recalling the names of some of the pioneers who founded the association, held a prominent part, were heard.

President Hill after a reference to the fact that it was just fifty years ago natural history, the late Thomas Machine Tomas Many and the propagation of the society of our Association.

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erly one of the most active of our Associates.

In botany as in other branches of natural history, the late Thomas Mac-llwraith rendered our society good service. Nearly thirty years ago he was President of the Association; and for several years served it as curator and librarian. Catholic in his love, at study of nature in her many guises, his favorite life-long pursuit was the study of bird-life. At our early meetings he read ornithological papers, notable both at home and abroad. For many years his services were sought after by United States naturalists. He took part in forming the "American Ornithological Union"; and in revision of some branches of ornithological nomenclature. His book of more than three hundred pages entitled "The Birds of Ontario," an important contribution to the knowledge of Camadiaa bird-life, was first published by our Association. ed by our Association

sant to hear him discourse on any branch of his favorite subject. Even his exposition of the technical terms used in describing birds lost its dryness; his exposition of the teampent terms used in describing birds lost its dryness; and to hear his papers explaining the structure of birds, and their homologies in form and function compared with those of, other classes of animals, was a treat not to be forgotten. But it was as a field ornithologist that his equal was hard to find. Audubon and Wilson, in this regard, had no worthier disciple than Thomas MacIlwraith, for nothing pertaining to the life history, song, habits, plumage and migration of birds was hidden from him. Blessed with a keen sense of humor himself, he delighted to trace all manifestation of humor in animals. Perhaps no man ever better enjoyed the refined satirical wit of the ancient playwright Aristophanes who, in Frere's version makes the birds in chorus cry in mock pity for mortals:

"Ye children of man! whose life is a span. Protracted with sorrow from day to

services of time the chief work of the newborn association should be to investigate the physical geography, geology, received the physical geography, geology, received the physical geography, geology, geology, and to have trend of the physical geography, geology, the physical geography, geology, geological, and the physical geography, geology, ge

the Hamilton escarpment, for their coinpleteness and their methodical arrangement, long since won for the geological
section of the society commendation from
the late Dr. James Hall, the eminent
palaeontologist of New York. Of these
local collections, the fossil sponges, the
the graptolites are among the most interesting. The graptolites, as their name
implies, are minute, feathery, quill-pen
like fossils of the Polyp class. In structure they bear points of resemblance to
living forms of hydrozoa; and as they
must have lived under somewhat like
conditions to existing similar forms of
life, graptolites throw a faint gleam of
light over the ancient Silurian waters
in which they lived ages and ages ago.
Both graptolites and fossil sponges are
sought after for museums alike in America and in Europe.

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Many helpers who have aided to promote the geological work of this association deserve thanks from their co-works ers. Few have rendered more efficient; service than the late Mr. A. E. Walker, who for some years was president of the geological section. In justice I must also further add: It is mainly due to the generosity, scientific ability and labors of our veteran associate. Colonel Grant, that the geological branch of the Hamilton Association has accomplished the work it has done. It is unseemly for one member of a society to eulogize or venture to appraise the services of a living fellow-member of the same society. That is a rule rarely to be infringed. But this must be the exception proving validity of the rule; and if excuse were needed, my plea should be: I speak for all who know what Colonel Grant has done for the Hamilton Association.

The photographic and astronomical stition of the accident and astronomical stitions of the accident and astronomical astronomical accident and ast

The photographic and astronomical sctions of the society have a goodly number of enthusiastic supporters; and both have earned esteem of the public.

"Ye children of man! whose life is spens.

Protracted with sorrow from day to day.

Naked and featherless, feeble and querulous.

Sickly, calamitous creatures of clay."

In entomology, the branch of Natural History relating to insects, Mr. J. Alston Moffatt, for several years rendered the association much service. Rightly enough Pope calls these aerial hordes of living creatures: "The wandering nations of a summer's day." For they outnumber the rest of the animal kingdom, and by late, aathorities their species are estimated at a quarter of a million. Their influence, too, is almost as remarkable as is their number. For ages they have furnished the world with silk, honey and wax. They are food for countless other living things, are pollencarriers that fertilize barren plants; and they are the common scavengers of the world. As malign agents they are but too well known; for to counteract their noxious attacks on cultivated plants, taxes the alertness of a trained army of specialists in various parts of the civilized world.

In all study of living things microscopic aid is belpful; and in its early days the association paid some attention to microscopy. It is pleasing to bear in mind the biological truths brought to light by men whose keen vision had but little adventitions aid; for the imperfect microscopes of other days were not superseded by modern achromatic lenses till near the close of the first quarter of the nineteenth century. Ehreherey's great work describing the Influences for original microscopic zoological work, this society makes little or no pretension. But in comparing with authorities descriptive lists the diatoms, desmids and animaleula common to this district, and in helping to promote a right conception of the profuses life that surrounds us, life unseen by unaided the secretic profused the profuse life that surrounds us, life unseen by unaided this activities and animaleula common to this district, and in helping to promote a right conception of the profuses life that surrounds us, life unseen

own fashion is a centre of education, and a focus whence instruction radiates throughout the entire commonwealth. Of this harvest, Hamilton has gathered but a scanty gleaning. So far, from untoward circumstances she has not been enabled, within her own limits, to provide for her sons as complete an educational equipment for winning life's prizes as her sister cities have at their command. But time remedies misfortunes. As the old Marchen has it: With the hour comes the appreciative man, and ed away. And some day a man of keen discernment will arise, who will secure for Hamilton a School of Science or

A Terrific Earthquake Took Place Near

Unalaska.
San Francisco, Gal., Nov. 8.—Captain Tolton, of the whaler Herman, which arrived to-day from the Arctic, reports that a terrific earthquake occurred at limited about a with the country and Mor. Unalaska about a month ago, and Mc-Culloch Peak, which was created by an arthquake nearly a year ago, and rose 3,400 feet above the sea, has dwindled to almost nothing as a result of submarine disturbances.

McCulloch Peak resulted from a vol-McCulloch Peak resulted from a vol-canic eruption in the Bogostove Islands, and was discovered by officers of the United States revenue cutter McCulloch. The peak was visited by Boston scient-ists, who recently reported that the peak had been increasing in size. The earthquake shocks which are be-lieved to have cauged its sudden shrink-age, were felt for miles around Bogo-stove Island and Unalaska, and at one place all of the water was thrown up to place all of the water was thrown up t nearly 35 feet out of the sea.

Reducing Hours of Work. Dunkirk, N. Y., Nov. 8.—Beginning Monday, 2,100 men employed at Brooks Locomotive Works wil be

In Torments a Year and a Half with Terrible Sores on Face and Body -Hands Tied to Stop Scratching and Tearing at Flesh - But

CURE BY CUTICURA COMPLETE AND SPEEDY

"My little son, when about a year and a half old began to have sores come out on his face. I had a physiciantreat him, but the sores grew worse. Then they began to come on his arms, then on other parts of his body, and then one came on his chest, worse than the others. Then I called another physician. Still he grew worse. At the end of about a year and a half of suffering he grew so had I had to tie his hands in cloths at night to keep him from scratching the sores and tearing the flesh. He got to be a mere skeleton, and was hardly able to walk. My aunt advised me to try Cuticura Soap and ointment. So great was her faith in it that she gave me a small piece of Cuticura Soap to try and a little Cuticura Gintment. I took it home without any faith, but to please her I tried it, and it seemed to dry up the sores a little. I sent to the drug store and got a cake of Cuticura Soap and a box of Cuticura, and at the end of about two months the sores were all well. He has never had any sores of any kind since. He is now strong and healthy, and I can sincerely say that only for your most wonderful remedies my precious child would have died from those terrible sores. I used only one cake of Soap and about three boxes of Ointment, Mrs. Expett Sheldon, R. F. D., No. 1, Woodville, Conn., April 22, 1905."

ITCHING PIMPLES

Cured by Cuticura in Nebraska. Cured by Cuticura in Nebraska.

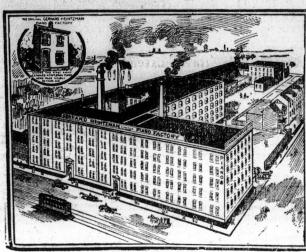
"I had suffered with itching pimples for years. At last a friend told me to get Cuticura Soap and Ointment. I did so and in three weeks my face was entirely cured. I am so pleased with Cuticura Remedies that I will recommend them to other sufferers. Mrs. Florence, Delavergne, R. F. D. No. 2, Auburn, Neb., Aug. 28, 1906."

Complete External and Internal Treatment for Every Humor of Instant. Ginderen, such as Cuticura Complete Teteral and Internal Treatment for Every Humor of Instants. Ginderen, such as Cuticura Comment to Heal the Skin, and Cuticura Comment to Heal the Skin, and Cuticura Comment to Heal the Skin, and Cuticura Comment of Heal the Skin, and Cuticura Comment of Heal the Skin and History to Purity the Blood. Soid throughout the Gotton, Mess. Malled Free, Culleurs Book on Treatment of Humons of Blumpts of Blum and History.

When Buying a Piano

The most important thing to consider when buying a piano, is who made it? Is the maker an experienced piano maker?

You can't tell much about a piano by just looking at it. You can't tell about its lasting qualities by playing on it a few times. BUT YOU CAN tell everything about a piano if you know the record of the maker.



Birdweye view, showing the enormous plant of Gerhard Heintzman, Limited, grown to these proportions through the merits of their planes. The small building shows where the first eight Gerhard Heintzman planes were made, entirely by Mr. Gerhard

For nearly half a century the "GERHARD HEINTZMAN" pianos have held the place of honor as "Canada's best piano," a record gained entirely through merit; the makers, whose lives have been spent in manufacturing pianos; the "best possible" has been and is their motto, so that the wonderful growth of the "GERHARD HEINTZ. MAN" factory, as evidenced by the above picture, is only a fitting tribute of Canadjans to their favorite high grade piano.

AMERICA'S GREAT PIANIST

W.H. SHERWOOD'S Opinion of GERHARD HEINTZMAN Pianos

His letter to Mr. Gerhard Heintzman reads as follows:

"It gives me much pleasure to be able to speak very highly of your pianos. The Concert Grand Pianos used by me for several years of concert playing in the United States are now supplanted by a Canadian make, in your piano, of high grade excellence throughout. In action, strength, sonority and sweetness of tone you have achieved success. The reliability of your piano under very hard usage, en tour, is also a cause for congratulation. With best wishes."

Mr. Sherwood played at the Hamilton Conservatory of Music last Thursday

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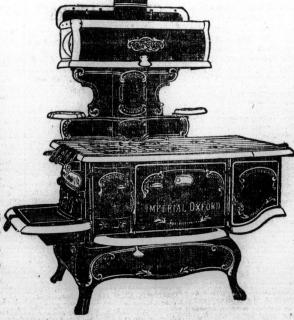
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