

Geological Study Near Toronto

By Lillian Wallace.

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'Reform directed toward the advancement of Public Health must ever tak HEALTH BUL Issued Monthly by THE DEPARTMENT OF PUBLIC HEALTH TORONTO Vol. 7 JULY, 1917 No. Chas. J. Hastings, M.D., Medical Officer of Health. Geo. G. Nasmith, C.M.G., PhD. Director of Laboratories (Editor) Local Board of Health His Worship Mayor Church Ald Maguire (Chairman) Ald. Risk Ald. Hiltz Chas. J. Hastings, M.D. POISONOUS BEANS. cess of the "bracer" type, is "to b roduced in Canada." It was inevi s inevi-ide pro-ewd ex-With practically nation-wi n in the Dominion the shr of this alcoholic nostru of the depart

THE TORONTO SUNDAY WORLD

hite, or Rangoon bean, and der the scientific name of "P natus," has been sold in large White, or Rangoon bean, and inporting under the scientific name of "Phaseolus lumatus," has been sold in large quanti-ties in the United States and Canada. This bean has been planted by the acre, and in no case has it come up. Fur-thermore, it is poisonous. Analyses of samples taken in Toronto and analyzed in our laboratory, show it to contain .028 per cent. prussic acid. and cases are on record, in Holland, for example, where people have died from eating it. The Rangoon bean is a small, yellow-ish bean, with marked lines radiating from the small eye on the concave sur-face. These radiating lines and its yel-lowish color serve to distinguish it from the small white bean. Its importation has been recently stop-ped by the government as an injurious article of food. We understaud that this variety of bean has not been used by canners to be made into pork and beans, so that there would be no danger to fear from that source.

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Exclusively

Judged by the results, have failed. Incidentally it may be of interest to know that we have had more letters of approval from thinking men and fathers about the two bulletins referring to venereal diseases than of any other since the bulletin was first published. As guardians and advisers of the pub-lic health we cannot discriminate be-tween one disease and another, nor do we believe, because a man or woman has wandered from the straight and narrow path, that they or their innocent relatives should be condemned to years of suffering, insanity or death, if a little knowledge will prevent it.

RONTO

of suffering, insanity or death, if a little knowledge will prevent it. Therefore we again repeat to those who have developed Syphilis or Gonorr-hoea do not consult a quack or use patent medicines, but go to a reputable physician or a hospital clinic where you will get proper advice and treatment. You will never regret it.

SAFEGUARDING THE EYES OF IN-DUSTRIAL WORKERS.

The Seaman Gold Medal, gift of Dr. Louis Liviugstone Seaman, trustee is annually awarded by the American Mu-seum of Safuty, for progress and achieve-ment in the promotion of hygiene and the mitigation of cccupational disease. This year the distinction of the Seaman Meu-al has been conferred upon the Julius King Optical Company of New York for scientific research and practical achieve-ment in overcoming the harmful effects of ultra-violet and infra-red rays of light in connection with arc-welding and other industrial processes at very high tem-My dear Helpers: Here is a little flower that every member of the Bright Eyes Corner will know, sweet clover. If you are living anywhere near a wild field you will know how very sweet clover may smell after a shower of rain. There are several different clover, some of a pretty pale pink color, called red clover, then white clover, very similar to the'red variety but not quite ndustrial processes at very as fine. perature.

For a number of years the necessity of For a number of years the necessity of protecting the eyes of the workers against chips of steel, splashes of metal and fly-ing particles of emery, concrete and other materials, has been recognized, and the goggles made compulsory. A far more is has been recognized, and the smade compulsory. A far more bus and hazargous danger to eeyenaidiou ma

about the two kinds. For the kest letter upon this subject I

SUNDAY MORNING AUGUST 26 1917

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TANG You get the true taste of the hops in Imperial—that mellow tang that has made O'Keefe's famous for over 60 years.

Stout Ale Lager

A brew for every taste-and every one O.K.

For sale at all Hotels and Restaurants. Order by the case from your Grocer or Dealer.

"OUR BOYS' AND GIRLS' COLUMN"

By AUNT JUNE

The O'Keefe Brewery Co. Limited, Toronto 804

pered in his sport as to kill a deer, whi he now cast down at the lodge door. The maiden did not pause to take t least notice of the hunter, or to give h a word of welcome, but ran out to whether it was a large deer that he h brought. In her haste she stumbled a tell in the doorway.

brought. In her haste she stumbled fell in the doorway. Iena looked at her in astonishment thought to himself "I supposed I blessed, but I find my mistake." "N Hawk," said he, speaking aloud, "I leave my game with you, you may y upon it then took up his hunting

He then took up his hunting pac and departed. After walking some ti he came to another tree, on which hung his packet as before, and the j lowing morning went for the second ti in search of game. Success again tended him; he returned, bringing w him a deer. He found that a little ho had sprung up as before, just where had hung his packet. He looked in a saw a beautiful maiden sitting als with his packet by her side. She arose and came out toward deer, which he had put at the door, a he immediately went into the house

immediately went into the by the fire, as he was or the day of hunting... he woman did not return.

aw her greedily eating up all the

Can anyone tell me a second the He at once blessed, but, and Then, speaking point of difference between the pink and white clover? Next time you see clover growing pick a piece of each, and see what you can discover that is different Marten, rought."

Next day

rocks known is a few fest of coarse cal-carsous wandstone, followed by red and green shales separated by thin beds of sandstone. Above these are beds of im-pure linestone, showing in fresh fracture quartz grains and crystals of limonite, but no fossils. Then comes a bed of fossili-ferous blue-crey limestone containing the romains of fauna, on top another layer of finely grained, evenly bedded dove-colored limestone, similar to the beds which are well developed in central On-tarlo, and as far south as Kentucky, Alabama and Tennesges. SANDY MCSILLER

HIS VIEWS . BY ADDLION MANN .

"Heard melodies are sweet, but those unheard Are sweeter."

Seated on one of the benches in Exhibition Park, Sandy McSiller and his good lady watched the crowd etb and flow round the fountain. It was

TANLAC.

papers it is emphasized that the Tanlac concern is going to erect a plant in Can-ada. Half-page advertisements in met-ropolitan dailles advise Canadians that 7,000,000 bottles of Tanlac have been sold in two years. Telegrams are reproduced from druggists in cities and towns of the southe n states showing that the stuff is ordered in carload lots-and a carload consists, according to the same advertise-ments, of 12,720 bottles. Tanlac has all the qualifications for a successful "patent medicine?" eLough alcohol (about four "kick," plus bitters and not too much axatiwe. To the thcughtful it must seem little less than a crime that the Do-minion of Caneda, staggering under the financial burdens thrown on it by the war, should be further subjected to the monstrous waste represented in the sale of such products as Tanlac. Canadisn druggists and Canadian newspaper own-ers will be direct beneficiaries of the sole of finite. The Dominion as a whole will be a distinct loser, financially and physically. Yet, we venture to say that there is not an intelligent druggist in Canada for in the United States either) but knows in his heart that Tanlac is a plece of unmitigated quackery, and there is not, we are sure, a newspaper publisher in the entire Dominion (or in the United States) who, if his family were sick would attempt to rely on Tan-tac. "Seven million bottles sold in two years"—and it sells for a dollar a bot-tic and on other purpose than put-posets of a class that can least afford it and on other purpose than put-form a certain amount of money in the potters here financial and physical re-sources for no other purpose than put-ting a certain amount of money in the powned for a diverse and a much greater anount in the pockets of an Ohlo quack? If not server, we are sure and on the purpose than during a think of an on-spaper publishers, and a much greater anount in the pockets of an Ohlo quack? If not server, and a much greater anount is the pockets of an Ohlo quack? If not we server and a sure form on-tor t

HOT WEATHER HINTS.

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apers it is emphasized that the Tanla oncern is going to erect a plant in Can da. Half-page advertisements in met opolitan dailles advise Canadians tha J000.000 buttles of Tanlac have been sol n two years. Telegrams are reproduced

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Go examination they show evidences of having undergone a long process of erosion before the final sheet of till was laid down.
During the time of erosion broad valleys were cut in the stata and the land rounded off. The best place to study the lower till sheet is in the beds of streams which are the only spots where it is which are the only spots where it is used to study the only spots where it is the best place to study the lower till sheet is in the beds of streams which are the only spots where it is not study the only spots where it is the best place to study the lower till sheet is in the beds of streams which are the only spots where it is used to be the only spots where it is the best of streams which are the only spots where it is the best of streams which are the only spots where it is used to be the streams stands up in natural sectors. It bears erosion well, and, where out by streams, stands up in natural sectors and forme ledges that cause rapids. No forsults are found in the Algonquin beach deposits or in the interglacial beds, in the valley of the Nottawasaga River at height slightly above Georgian Bay. Extensive deposits of sand, gravel and lake clavs are seen in the district below existence of another prehistoric lake. The northeast side of Lake Simcoe of sandy unstratified till or boulder clay, which appears to have been derived from the last till sheet. The longer axis of these drumlines coincides with the direction of the movement of the glader as the strike on the stones, which are well, and abundant, indicate. The drumlines on the west and the rest of by ice. Moraines are not seen in the district, but some of the area, for example to high upland south of Barrie, is undulating, nearly fait till plain characterized by ice. Moraines are not seen in the district, but some of the area, for example to high upland south of Barrie, is undulating, nearly fait till plain characterized by numerous small depression.

surrounding country presents. The

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Pétrole

The World Renowned French Hair Tonic MDRUFF is a sworn foe to healthy beautiful hair. Continuous failing, brit-the hair and premature grey-mess are often caused by the "bottle microbe" which enters the hair follicles and cuts off an ourishment. Petrole Hahn destroys that microbe, removes the cause of andruft, promotes growth, sealth and beauty of the hair. "Statisfactorily used the world over.

promotes growth, beauty of the hair. rily used the world over. At all good dealers.

Canadian Agente

Palmers Limited, - Montreal

Hahn

the youngsters who were laving their hands in the water and splashing each other. Mrs. Toronto and her children, had forgotten the war for a few minutes and revelled in the great event of the year.

The bandmaster tapped his musicstand sharply with his baton. A burst of melody floated over the grounds. It was an old Scottish air;

O my love is like a red, red rose That's newly sprung in June. My love is like a melody That's sweetly played in tune.

For Sandy the Exhibition, and its crowd had faded. He was marching down Ceres high-road with fifty other sturdy youngsters behind the village band. Each was clad in his Sunday and touched her husband's arm best and carried a bouquet of flowers softly.

ranging in size and quality from the befrilled product of the hothouse to bunches of wild roses and bluebells culled from the grassy banks at the roadside. The executive committee of the flower show respiendent in black broadcloth and grey homespun march-ed immediately behind the band.

Old wives in white mutches stood at their cottage doors to watch the procession pass. Even old Dan Stur-The surrounding country presents. The highest of them rise to 600 feet above Lake Simcoe, they are composed of loss sandy till partly stratified and morainic in formation, evidently placed there dur-ring the retreat of the last ke sheet. At Orillia the drumlins are long, nar-row formations varying from six to ten feet in height and from two to a quar-ter of a mile in length, and composed of unstratified sandy boalder clay. A greater part of the district is under-ter of a mile in length, and composed of the pre-Cambrian period. The limestone dips to the southwest and 550 feet is the maximum thickness. Take 5 timese and the Trent Valley dis-trict. The lower end of Couchiching is occupied by pre-Cambrian rocks. The mean contact of the limestone with the pre-Cambrian rock form an escarpment at a distance from which many outlying portions of linestone are found, showing that, at one time, this rock extended far out hover the pre-Cambrian. Along the Monck road, about a mile east of North Mara postoffice, a large boulder of linestone, evidently glacially transported, rests on the slope of a drum-lin. The cuarries at Longford are par-ticularly interesting, as they show line andistone. Here resting on the oldest rock an austere elder of the Free Kirk left his loom for five minutes and

the driver. As the carts disappear-ed down the long white road he climbed over the gate and wept soft-

ly behind the drystone dyke. Sae fair ait thou my bonnie lass, Sae deep in love am I; And I will love thee still, my dear, Till a' the seas gang dry.

Kirsty was gazing across the lake that shimmered between, the exhibition buildings. She did not see the white-sailed yachts and motorboats that flitted across the vignette like shuttles in a loom, but the laburnum trees in front of her father's house and the rose-covered cottage across the road. She was standing inside the road. Sne was standing inside the gate clutching a package which Davie Gowans had thrust into her hand. She heard the "pat pat" of his feet as he bolted down the high road in feet as he bolted down the high road in the gloamin'. Thrusting the package in the pocket of her green gingham gown, she stole up to her little attic bedroom and opened it by candlelight. It was a page torn from an old

copybook, and contained a pink sugar heart. Across the lines "Time and wait-for no man" in round

Tanlac routs at one-fourth the expense. let him get a cuart bottle of good sherry, and two drams each of aloes, gentian, licorice and Cescara. Mix (if you wish) and you will have Tanlac. so near that neither you nor the manufacturer can tell the difference. This formula will give four times the quantity found in an ordinary \$1 bottle of Tanlac."—Special Bulletin No. 50, Dairy and Food Dept., Michigan, Feb. 12, 1916. a scorching hot day. They envied

Will Canada Tolerate Tanlac? Tanlac, the latest "patent medicine"

schoolboy hand which covered it. was scrawled, "I love you Kirsty." But fare thes weel my only love, And fare thes weel a while, And I will come again, my love, Tho' 'twere ten thousand mile.

A ripple of applause swept the park

"Let's go into the Horticultural Building and see the roses Sandy." Slowly they mounted the steps and entered the great building which echoed with the footsteps and comment of a thousand people. Round and round the building they wandered drinking in the fragrance and beauty of the flowers. As they stopped to admire some beautiful ferns Kirsty clutched Sandy's arm suddenly. "Look-look at that man beside the

spireas. He's awfu' like David Gow-ans. Ye remember David Gowans whose father had the farm on the Craigrothie Road-it is David Gowans -Mr. Gowans!" The man and a stout figrid lady beside him turned around amazed as Kirsty approached with Sandy hus-

tling after her. "David Gowans," she said. "Hae ye forgotten Kirsty McCallum?"

"Well I'm blest!" he ejaculated as he shook hands.

"I've sometimes wondered if we'd ever come across ye," he said. "We've been oof seven years now. We have a farm at Woodbridge. This is Mrs. Gowans, I don't think ye've met afore. She comes from Dairsie, but she livest in Ceres when she was little-Christina Ogilvie-it's no likely ye'd hae kent her.

NEMO ME IMPUNE LACESSIT

The Refrigerator.—The domestic ice box should be scrubbed out thoroly with hot water and scop at least once a month. That part of the ice box where the ice is put should have special attention. Some sciid material from the melted ice always accumulates, and will decompose unless proper cleanliness is observed. The choking of the drain pipe is due to this material, also to actual growth in the pipe once a menth is the best cure. — Fish.—Wher buying fish, see that the fish.—Wher buying fish, see that the fish.—Wher buying fish, see that the smell matural and free from taint. Never eat tainted fish; it is very dangerous. — Meat.—Be careful in buying meat es-pecially at night time, in hot weather. When it reaches your home remove all wrapping papers at curce. If the weath-er is hot, put the meat into the oven and half cock it, this will save it from spoil-ing, and the flavor will not be impaired in the least when it is cooked fully for dinner next day.

VENEREAL DISEASE.

A certain amount of mild hysteria among some kindly disposed people who objected to certain references to ven-ereal disease in this bulletin. developed recently. Every reform of every de-scription in all ages has been opposed by the same class of people. There will be no argument from us as to the ethics of the question. Anybody who has the slightest knowledge of what is taking place in the world today as a result of ignorance of these diseases knows that the world has not become appreciably better during the past de-cated by the church and moral reform-ers.

cade thru the methods heretolore advo-created by the church and moral reform-ers. We do not advocate the education of children on such questions thru the somewhere, and we do strongly advise to teachers of some of the vital facts of it. We cannot dodge the truth about most devastating diseases in the world today. Our whole object is to advise people that such ills are curable in a tage proportion of cases if they are taken in time; otherwise they will fra-teaten and the sole of the vital people that such ills are curable in a staten in time; otherwise they will fra-date of a some of the vital people that such ills are curable in a staten in time; otherwise they will fra-date of the sole of the vital arge proportion of cases if they are taken in time; otherwise they will fra-date of the department. To the vital the purpose of improving the public base modesty we do not propose to take the advice of laymen, who are not as the purpose of improving the public base modest we do not propose to take the purpose of improving the public base modest we do not propose to take the drive of laymen. Who are not approved to the department. Today there is a streat flurry among certain people hor such prejudice. The public has been educated as to what tuberculosis being the ported to the department. Today there is a streat flurry among certain people the neguritates with the disastrous results the neguritates with the disastrous results our work in the manner which the com-unded and y. So we propose to carry on our work in the manner which the com-unded experiences of other cities and countries indicate to be the best. The work of the department which the some index the indicate to be the best.

Pledge For Our Boys and Girls.

I pledge myself in the service of my King and Country to do my best in my daily work wherever it may be, and to en-

deavor in every way to make my-

Signed

......

self a Good citizen

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