

Carrying on Surveys in Great Slave Lake

The steadily increasing travel into our northland along the Mackenzie valley has rendered necessary the survey and charting of that great system of waterways which extends from the centre of the province of Alberta to the Arctic Circle. For over a century this has been the great thoroughfare for northern travellers, but the large increase of late years in the number and particularly of the size of the boats employed makes it necessary that the aids to navigation be correspondingly improved. This work has been entrusted to the Topographical Survey of Canada and during the past three years a programme of surveys has been carried out, which by defining the prominent features of the district has done much to aid navigation and development.

From the surveys made of the tract under investigation, which comprises an area of over 250,000 square miles, a series of maps has been prepared showing navigable channels and topography of use to the navigator, prospector, and economic investigator.

One of the most interesting of these surveys has been that of Great Slave Lake. The thorough travel in the Mackenzie valley passes along the western side of this lake and in the seasons of 1921 and 1922 special attention was devoted to aids to navigation here. This work was continued in 1923 and the lights established at the entrance to Hay River harbor and the bays and beaches placed at the dangerous approaches to Slave and Mackenzie rivers have proved of great assistance to navigation. The need and value of this work is shown by one incident.

Some years ago a steamer ran on a boulder reef a considerable distance from shore. A period of calm weather permitted the saving of the steamer, but the knowledge of the existence of this reef, of which the exact location was not known, was a cause of anxiety to navigators. In 1922 an unsuccessful search was made for this reef by the Survey, but efforts continued in 1923 led to its discovery and to its being marked on charts and located by a buoy.

During 1923 attention was chiefly directed to the northern and eastern parts of the lake and to the territory lying beyond. The northern arm of the lake is surrounded by a district rich in furs and minerals. Surveys conducted into this region during the past season resulted in the discovery and mapping of nearly 1,000 small new islands, the correction of the location of Fort Rae, by some 20 miles in longitude, and the finding of a new connected body of water over 30 miles long.

The eastern arm of Great Slave lake was surveyed in 1922. Exploration the past season was directed into the country lying to its east and north. The work extended from the east end of the lake to the straits of Thia-Na-Kole, joining Aylmer and Clifton-Colden lakes, which are situated some 200 miles within the so-called "Barren Lands." The survey showed that in addition to mineral possibilities the country is suited to the muskox and caribou, with sufficient grass, mosses and other vegetation to support the great herd of the latter frequently seen. The waters teem with fish of a size and quality unknown to the warmer waters to the south, and at the very edge of the timber line, in sheltered places, spruce and tamarack reach to commercial proportions.

Butterflies in Khaki.

General Smuts tells an amusing anecdote concerning the arrival in what was then German South-west Africa—it was in the early stages of the war—of certain small reinforcements from England. The draft was made up mostly of young soldiers from one of the southern shires, and the lads, fresh from their own green fields, viewed the dusty landscape with manifest disapproval.

Presently a swarm of locusts happened along; thereupon one of the boys exclaimed in deep disgust: "I say, Bill, I'm blessed if everything in this 'ere worthless country ain't in khaki! Look at them butterflies!"

A Top Game.

One boy spins his top in a three-foot ring, runs as far as he dares, sticks a peg in the ground and runs back to pick up the top before it stops spinning. Then in turn each of the other boys spins his top, races to the peg, lifts it and plants it a little farther away, and then tries to get back in time to catch his top before it falls. If the top falls before the spinner gets back, the peg is returned to its last position. Each boy has three trials.

The World's Dialects.

There are said to be 22,424 languages and dialects in the world.

Canada has the lowest proportion of divorce cases in the English-speaking world. Her figure last year was 3 per cent, against England's 2.2 and America's 13.2 per cent.

The mallow line is usually open for the fellow who travels with a full head of steam.

A man too busy to take care of his health is like a mechanic too busy to take care of his tools.—Cicero.

Let them laugh, as long as the thing works well.

THE SYMPTOMS OF IMPOVERISHED BLOOD

Show in Pale Faces, Tired Feeling and Breathlessness.

People who are pale, languid, with palpitation of the heart and shortness of breath at slight exertion are suffering from thin, impure blood. If they have the resolution to take the right remedy and stick to it, they will find new health and strength. The remedy that can always be relied upon is Dr. Williams' Pink Pills. With every dose they improve and invigorate the blood, and this new blood means health and strength. Mrs. A. Griffiths, of Boston, Mass., is one of the many thousands who have proved the value of these pills. She says:—"I was so badly run down in health that I was almost bedfast. The least exertion would leave me breathless. I suffered from headaches and backaches and had no appetite. I could only drag about the house and found even light housework almost impossible. I tried several remedies but they did not do me a particle of good. Then a friend came for a visit and she urged me to try Dr. Williams' Pink Pills. When I had finished the second box I could feel that they were helping me. By the time I had taken four boxes more I was a well woman and every symptom of my trouble had disappeared. It would not be possible for me to say too much in favor of this medicine, and I always recommend it to run-down people, and have seen it prove just as satisfactory in other cases."

If you are weak and run down you can begin getting new strength today by taking Dr. Williams' Pink Pills. Sold by all druggists or sent by mail for 50 cents a box by writing to The Dr. Williams' Medicine Co., Brockville, Ont.

Holidays by Chance.

Of unusual holidays few can have occasioned more interest than that of a retired American brewer now visiting London on his way to Greenland. At his home in Milwaukee he has a globe of the earth's surface. When his annual holiday is due he takes a hat-pin and, giving the globe a spin, sticks the pin into it. Where the pin sticks, there the brewer goes!

Last year the pin indicated the Vale of Cashmere, in India, whither the brewer made his way. The previous year he found himself obliged to visit Germany, while the year before that he went fifty miles from his home as the holiday resort thus chosen.

He has visited in this way places as far apart as Christiania and Melbourne, Montreal and Cornwall, and Stockholm and Cairo. When the pin sticks into the ocean the originator of this decidedly novel plan allows himself a second try.

Broadcasting a Pin-fall.

A pin was dropped on a desk by Dr. Gano Dunn in the course of his address at the dedication of the new building of the National Academy of Sciences and the National Research Council in Washington.

That pin-fall was perhaps the most significant and widely heard of any in history. Without being warned to silence, every person in the high-domed, wide-winged hall heard the pin as it struck the woodwork. Thousands of wireless listeners hundreds of miles away, also heard.

Specially designed artificial stone walls made the sound clear, distinct, and without those hollow echoes which characterize old high-vaulted buildings. That pin-fall sounded an engineering triumph in the long-neglected science of acoustics.

Minard's Liniment for Rheumatism. Politeness.

A Chinese editor enclosed a rejection slip, when returning contributions, which read as follows: "We have read your manuscript with infinite delight. Never before have we revelled in such a masterpiece. If we printed it the authorities would take it for a model and henceforth would never permit anything inferior to it. As it would be impossible to find its equal within 10,000 years, we are compelled, though shaken with sorrow, to return your divine manuscript, and for so doing we beg 10,000 pardons."



Say "Bayer Aspirin"

INSIST! Unless you see the "Bayer Cross" on tablets you are not getting the genuine Bayer Aspirin proved safe by millions and prescribed by physicians for 24 years.

Safe Bayer package

which contains proven directions Handy "Bayer" boxes of 12 tablets Also bottles of 24 and 100—Druggists Aspirin is the trade mark (registered in Canada) of Bayer Manufacture of Monoclonal and other chemicals

ENGLAND TO MAKE IRAK SELF-GOVERNED

GOT THANKLESS TASK THROUGH LEAGUE MANDATE.

Treaty Granting Independence is Signed, but British Must Shape People Into a Nation.

By a narrow margin Iraq signed the Anglo-Iraq Treaty—the only possible instrument assuring her eventual independence—and the British will continue in the rather thankless task of shaping an irresponsible and inexperienced people into a nation, says a Baghdad despatch.

Great Britain having accepted the mandate of Iraq, under the League of Nations directly after the war, obligated herself, accepted a year ago, she intends, if possible, to bear with this trust to the end. Since 1917 Great Britain has done more with Iraq than any other nation could have done, but even so has succeeded only in setting up a more or less fallible monarchy, presided over by a Arab figurehead, amiable at any time to be thrown, without foreign guidance, into internal anarchy.

Great Britain has long since realized that as an investment Iraq is thoroughly bad, and that the pounds (6,000,000) which she annually pours into this investment, could be much better put to use elsewhere. She has done all in her power to mould this disjointed section into a nation, but one cannot make a durable crock of sand and water, and it is plain that the Iraqi, at least at this stage of their development, are little better than sand and water. And since in addition to this there has been an appreciable amount of irritation caused by the pettiness of some Iraqi officials, the British are quite prepared to leave the country. But they do not wish to leave it in its present vulnerable and unstable condition; it would be a very severe reflection on their ability, and wisdom. It thus became very evident that a departure of some sort was necessary.

Tenor of the Treaty.

The result was the negotiation of a treaty with a protocol and subsidiary agreements following in its wake. The much-discussed Anglo-Iraq treaty sets certain stipulations for the future which will give the Iraq investment less of a failure completed aspect, and which grants to the British certain financial and military rights that will allow them to carry on in the country for another four years and establish the Iraq Government as a permanent institution.

But some Iraqi contend that the treaty is severe; that it wrests from them their rights to the land, upon them restrictions which will impair growth and retard them in their struggle for independence; lays upon them rigid financial demands and obligations—in short, is an instrument which will preclude realization of their ideal. In their stigmatism and youth they are not aware that the clauses of the treaty, generally speaking, point toward their eventual benefit, and that without the protection and guidance it affords they will be left a prey to invasion.

Charge British With Imperialism.

Since the acceptance of the mandate the efforts of the British have been highly favored with altruism, but this fact in no way checks the bitterness of excitable tongues, for the British have been accused of having imperialistic designs in their policies concerning Iraq. When one stops to consider that Great Britain's policies are determined not by individual and isolated countries but by world-wide interests, and it is understood that the occupancy of Iraq, but the children are an exception to this rule, and that by her connections with Iraq she injures her more universal interests, it is beyond reason to accuse her of imperialistic motives.

Situation at Present.

Now that the treaty is ratified by the constituent assembly the Iraqi have made their first move in the direction of an eventual independence. The British will stand by them for another four years, will protect them and their interests, will shape them for membership in the League of Nations, will develop their country and will then, at the end of the stipulated period, leave the management of the country entirely to the Iraqi and wish them Godspeed. A rejection of the treaty would assuredly have meant the downfall of Iraq and then an eventual invasion by outside Powers have been determined only by the amount of ambition and avarice of such nations as Turkey and Persia and the less friendly tribes of Arabia, except for the possibility of international league.

Child Vagrants.

In Russia vagrancy among children is so prevalent as to shock even people who for ten years have seen little except suffering. Soviet newspapers report efforts by the Government to deal with the evil, but the children are many and the means of caring for them are insufficient. The newspaper Pravda recently estimated that there are fifty thousand vagrant children merely in Moscow and its suburbs.



Sir Henry Imbert-Terry photographed while leaving Buckingham Palace, following an investiture of members of the Order of St. John.

In a Devon Garden.

The spring was late in coming. The flowers were very shy. When in my Devon garden fair The sweet West Wind swept by.

She dropped some tears in passing. What magic in them lay That on the wall japonica Leapt forth in crimson spray?

The violets just unfolding. Were started into bloom; The witch in the genista-bush Waved high her golden broom.

The pixies through the soft red earth Thrust up their small green spears, Ah, would I had the magic touch Of West Wind and her tears! —Janet Read.

The Fleet.

A swan on the river is sailing; I see her drift down to the bay! A convoy, she, unfailing To craft that know not the way! Oh, white the sails that are going To an isle in the waters below; And golden the palms are growing In the calm of the stream's still flow!

A harbor there is in the rushes. A harbor all safe and sure With scarcely a bough that brushes The pool to a rippling lure! Then meadows there are out-spreading Where tufts of sea-reef grow; And a convoy heading, heading Her feet of yellow and snow! —Leslie Clare Manchester.

Father's Responsibility.

Under the Ontario Act requiring fathers to maintain children born out of wedlock the sum of \$67,000 was collected last year in cash, and additional amounts due would bring the sum up to well over \$100,000. Steps are taken to ensure the health and best welfare of infants and to this end advice and assistance is given to mothers. This Act will, it is expected, prevent a great deal of neglect and abandonment of infants and prove a deterrent to men who are guilty of this great wrong to young women. Mr. J. J. Kelso is the government administrator, assisted by the various welfare officials and social agencies.

"Before I extend credit to a man," said Uncle Eben, "I got to be satisfied he will make honest use of it. There are fellows that would buy a beef stein on the no-money-down plan if they could."

Surnames and Their Origin

PINKERTON

Racial Origin—Norman French. Source—A locality.

Perhaps you have wondered about this family name. It is misleading. In spite of yourself you keep associating it in your mind with the word "pink," but it has no connection with this word at all.

Again it is a natural, but as it happens, erroneous assumption that the ending "ton" reveals it as one of those purely Anglo-Saxon place names compounded of our modern word "town" and which is to be found in the ending of so many English place names.

The name, however, is a splendid example of the way in which a name developed in one language can be influenced entirely out of its original form by another tongue.

The original form of this family name was "De Pontcardon." Pontcardon being a place name in Normandy. It was of course first borne by men, probably in the ranks of the Conqueror's army, who came from that locality. But in the course of time its pronunciation was a bit slurred, and men, forgetting that it was a French name, began to spell it as it was pronounced. Hence Pinkerton.

Progress in Mining in Yukon Territory.

The report of the Mining Recorder of the Yukon Territory for the calendar year 1923 contains some interesting information regarding progress there.

The statistics in regard to claims are as follows:

Placer Mining, grants '5; renewals, 5; relocations, 5.

Quartz Mining, grants, 121; renewals, 1,052; claims in good standing, 1,312. In connection with the claims in good standing it is interesting to note that as a full quartz claim is over 50 acres in extent these claims represent an area of approximately 65,000 acres, or over 100 square miles.

The total amount of ore shipped from Mayo Landing in the summer of 1923 was 8,762½ tons. Since no ore is bagged, these assays less than 200 ounces in silver to the ton, this output represents a large revenue.

Of numerous new veins uncovered last year the most promising are those of the Lake Group where interested parties combined in diverting a large flow of water with the result that the overburden was washed in several places to a depth of thirty feet, exposing veins of silver ore from which assays have been obtained sufficient to warrant the owners arranging for the necessary equipment and supplies to carry on additional exploratory work.

The Keno Hill Mining Company ceased operations on Keno Hill and transferred its equipment to the Friendship Group adjoining the Treadwell Yukon Company property on the south. This company has built a permanent camp and carried out a considerable amount of exploratory work to date. It employs an average of thirty-three men.

The Treadwell Company employs an average of eighty-one men for its work. Inclusive of the work of the wood camp. It carried on extensively during the past year and erected a large new office and warehouse and has several ten-ton caterpillars hauling ore to the landing.

In addition to the number of men employed by the different companies in both quartz and placer mines, there were about 150 prospecting and working their own ground. There have been no serious accidents, no labor troubles and very little sickness. A new placer strike was made at the mouth of Gull creek, as a result of which over twenty claims were staked.

SUMMER HEAT HARD ON BABY

No season of the year is so dangerous to the life of little ones as is the summer. The excessive heat throws the little stomach out of order so quickly that unless prompt aid is at hand the baby may be beyond all human help before the mother realizes he is ill. Summer is the season when diarrhoea, cholera infantum, dysentery and colic are most prevalent. Any one of these troubles may prove deadly if not promptly treated. During the summer the mothers' best friend is Baby's Own Tablets. They regulate the bowels, sweeten the stomach and keep baby healthy. The Tablets are sold by medicine dealers or by mail at 25 cents a box from The Dr. Williams' Medicine Co., Brockville, Ont.



Raw, But Well Done. "How does he succeed in putting off those raw deals?" "Don't know; but you must admit."

Buy your out-of-town supplies with Dominion Express-Money Orders. He that riseth late must trot all day and shall scarce overtake his work at night.

RED ROSE TEA "is good tea"

The ORANGE PEKOE QUALITY makes finer tea and more of it

The Cure for Bashfulness.

"But, doctor, I'm different; I'm afraid of people. My hands and feet seem so big, and I can't talk, and if I walk into a room I'm sure to fall over something. How can I ever get over it?"

The doctor looked quizzically at the raw, half-developed boy before him. "When I was your age," he said slowly, "I was about as you are, only worse. I was poorer, bigger, slower in school and more awkward. It was real torture for me to meet people, especially women and girls."

"One day as I was going downtown barefoot I saw coming towards me two girls whom I knew by sight; they were well dressed and jolly. I thought of skipping down a side street, but I was in the middle of a long block and had to face them. Suddenly I noticed a cow in one of the side yards. Perhaps if I could seem to be driving her, my big hands and feet wouldn't show. Gathering a handful of pebbles and calling to her to 'huy-huy, boss!' I started her off."

"The girls came to where I was vigorously driving the animal from her chosen pasture. Then a clear, loud treble voice called from the house: 'You, boy, what are you doing with my father's cow?'"

"You can imagine the rest. I had made a ridiculous spectacle of myself. In my confusion I stepped into a patch of sand bars with my bare feet. The pain made me wince; I lost my balance and fell into a muddy ditch. I can still hear those girls laugh!"

"I hid out in the hayrack for two days to think it over. When I came back I told my mother that I had been visiting, and she wisely professed to believe it. As a matter of fact I had visited myself. I reasoned that my fears of other people were groundless and foolish. I had been silly and vain to imagine that the whole world was watching me. The roads and all the world were free to everyone, and I resolved to use them without fear."

"It was a fight of course, but I won. And I learned that people are not to be feared or avoided but to be loved and enjoyed. I'm not lonely any more; you see that everyone calls me doc and how we all enjoy it. Why not live as you go along?"

"Why, doctor, I suppose that I—But there, I'm still trying to believe that I'm different from everyone else. I'm not! I'm glad to go to have friends as other people have!"

And with chin up and eyes shining the boy started off to seek the great adventure of friendship. —Youth's Companion.

Origin of Mystic Swastika Baffles Research.

Every now and then the origin of the swastika crops up in connection with the huge black hooked cross sign displayed on the banners of nationalistic organizations of more than usual adamant tendency, says a Berlin despatch. "Death to Jews" is the significance in German party political circles. The Danish expedition in Palestine, under the leadership of Gunnar Sommerfeld, has discovered in Capernaum, in the Synagogue of Tell-Hum, a handsome frieze, decorating one part of the ruins which shows a swastika running ribbonwise along the wall.

As a countenance is made beautiful by the soul's shining through it, so the world is beautiful by the shining through it of a God.—Friedrich Heinrich Jacobi.

Many a man leads a dog's life because he grows too much.



Thin People

Thin, nervous, underweight people take on healthy flesh and grow sturdy and ambitious when Bitro-Phosphate as guaranteed by druggists is taken a few weeks. Price \$1 per pkg. Arrow Chemical Co., 25 Front St. East, Toronto, Ont.

After Shaving

Rub the face with Minard's mixed with sweet oil. Very soothing to the skin.



Robin.

He takes a lot of staccato steps, stops, Like a busy toe-dancer with dizzy top

That never ceases spinning, twinkling a minute. Until they come to the end of what's in it.

He runs on a line like a tight-rope walker—Tries not to look scared—nor to answer a talker.

No matter how fast he may go or stop dead—He holds his head still—an oblivious head;

But just down below, they twist and they squirm—Like a terrified crowd or an angle-worm.

—Alfred Krennberg.

Minard's Liniment Relieves Pain.

Did He Attend the Party? No, He Went to Bed!

Here is a laughable story of an absent-minded man—no, not a college professor this time, but a young fellow in his early twenties. He had been invited to attend a leap-year party—and courageous youth!—had accepted. The young lady who was to be his escort called for him at the appointed hour and was informed that he was dressing. (Men are always late, aren't they?) She waited for some time, but the young man did not appear.

At last his mother went up to his room to hurry him, and gracious! she found him in bed! While he was removing his everyday clothes his mind had wandered to some other matter, and habit had done the rest.

Our contributor who sends us the story adds that, if the young lady who called had been "his own particular young lady," he might not have forgotten all about her. Perhaps not. As it was, perhaps, he was more cautious than absent-minded. Remember, it was a leap-year party!

THEY TELL THEIR NEIGHBORS

Women Tell Each Other How They Were Helped by Lydia E. Pinkham's Vegetable Compound

Woodbridge, Ont.—"I took Lydia E. Pinkham's Vegetable Compound for female troubles. I would have headaches, backaches, pains between my shoulders and under my shoulder-blades and dragging down feelings on each side. I was sometimes unable to do my work and felt very badly. My mother-in-law told me about the Vegetable Compound and I got some right away. It has done me more good than any other medicine I ever took and I recommend it to my neighbors. You are quite welcome to use this letter as a testimonial if you think it will help some poor sufferer."—Mrs. EDGAR SIMMONS, R. R. 2, Woodbridge, Ont.

In nearly every neighborhood in every town and city in this country there are women who have been helped by Lydia E. Pinkham's Vegetable Compound in the treatment of ailments peculiar to their sex, and they take pleasure in passing the good word along to other women. Therefore, if you are troubled in this way, why not give Lydia E. Pinkham's Vegetable Compound a fair trial. This famous remedy, the medicinal ingredients of which are derived from roots and herbs, has for forty years proved its value in such cases. Women everywhere bear willing testimony to the wonderful virtue of Lydia E. Pinkham's Vegetable Compound.

Many a man leads a dog's life because he grows too much.



Rough Pimply Skin Cleared By Cuticura

You may rely on Cuticura Soap and Ointment to care for your skin, scalp, hair and hands. Nothing better to clear the skin of pimples, blotches, redness or roughness, the scalp of dandruff and the hands of chapping. Sold by Dr. J. C. Ayer & Co., Lowell, Mass. Cuticura, P. O. Box 1024, Montreal. Import: Cuticura, P. O. Box 1024, Montreal. Try our new Shaving Stick.

ISSUE No. 30—25.